

Sendsms API Specification Guide Version 2.2

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1. Introduction

This technical document is intended for API developers who wish to use the HTTP API for sending messages, receiving delivery reports and checking account balances.

The document describes the various programming models and commands used by developers when using this API.

The HTTP API could be used for both low and high end messaging services. HTTP is a means for relaying information, the HTTP API can be used with practically any web-service application. This is particularly useful for high-volume message sending.

The HTTP API offers various methods of sending and receiving SMS messages. The document contains specifications for the following methods.

- Send messages using HTTP GET.
- Receive responses using HTTP GET.

Host: sms.sms-way.biz

Port: 8080

Protocol: HTTP (*We also provide SMPP protocol*)

Functions: Send SMS, Group SMS, Flash SMS, Unicode SMS, Balance Check, Delivery Reports and Time Scheduling.

Document Revision History

<i>Date of Revision</i>	<i>Version</i>	<i>Author</i>	<i>Description</i>
13 March 2010	2.0	Mahesh	Added description for delivery status and formatted the document for better understanding.
16 March 2010	2.1	Mahesh	Updated the description for checking credits used in response.
26 September 2010	2.2	Mahesh	Added other language support that enables auto conversion of any languages in unicode format.

2. Send SMS Parameters

Base URL: http://sms.sms-way.biz

A) Mandatory Parameters

Parameters	Description
username	Account Username
password	Account Password
type	Message Type
mobile	Mobile Number / MSISDN / Destination Number <i>Note: Mobile must be prefixed in international format and must not be prefixed with leading zeros 00. Valid Example : 440000088989 where 44 is country code for UK.</i>
sender	Valid Source Address <i>Note: Alphanumeric 11 characters and Numeric 18 characters are valid sender id.</i>
message	Message Body <i>Note: Message body must be urlencoded</i>

B) Optional Parameters

Optional parameters	Description
schedule	Valid schedule parameters is 1 which indicates message is forced for scheduling.
datetime	Valid datetime parameter indicates the timestamp when the message should be triggered on handset eg., 2010-03-14 09:30 <i>Note: datetime parameter must be urlencoded.</i>
gmt	This specifies according to which gmt the datetime should act to send sms to get delivered on the mobile.
credits	Valid credits parameters is 1 which returns number of credits deducted in response with the message id separated by “ ”.

3. Text SMS

Text SMS example with message body “Testing HTTP API”

```
http://sms.sms-way.biz/sendsms.php?username=yourusername&password=yourpassword&type=TEXT&sender=vv12net&mobile=440000088989&message=Testing%20HTTP%20API
```

Text SMS example with message body “Testing åäö”

```
http://sms.sms-way.biz/sendsms.php?username=yourusername&password=yourpassword&type=TEXT&sender=vv12net&mobile=440000088989&message=Testing%20%e4%e5%f6
```

4. Flash SMS

Flash SMS example with message body “Demo Message”

```
http://sms.sms-way.biz/sendsms.php?username=XXXX&password=YYYYY&type=FLASH&mobile=6378097837&sender=vv12net&message=Sendsms%20URL%20Demo%20Message
```

5. Unicode SMS

Unicode SMS example with unicode body.

```
http://sms.sms-way.biz/sendsms.php?username=XXXX&password=YYYYY&type=UNICODE&mobile=6378097837&sender=vv12net&message=00570065006C0063006F006D006500200074006F00200053006800720065006500770065006200200053004D005300200047006100740065007700610079
```

6. Unicode Flash SMS

Unicode Flash SMS example with unicode body.

```
http://sms.sms-way.biz/sendsms.php?username=XXXX&password=YYYYY&type=UNICODE-FLASH&mobile=6378097837&sender=vv12net&message=00570065006C0063006F006D006500200074006F00200053006800720065006500770065006200200053004D005300200047006100740065007700610079
```

7. Other Language SMS

Other language sms body could be used to send arabic, hindi messages directly to our interface without any conversion.

```
http://sms.sms-way.biz/sendsms.php?username=XXXX&password=YYYYY&type=OTHER&mobile=6378097837&sender=vv12net&message=test%20message
```

8. Time Scheduling SMS

Time scheduled text sms example.

<http://sms.sms-way.biz/sendsms.php?username=XXXX&password=YYYYY&type=TEXT&mobile=6378097837&sender=vv12net&message=Sendsms%20URL%20Demo%20Message&schedule=1&datetime=2009-01-01%2015:00&gmt=05:30>

9. Bulk SMS Sending

Bulk SMS sending text sms example.

<http://sms.sms-way.biz/groupsms.php?username=XXXX&password=YYYYY&type=TEXT&mobile=6378097837,6378097838,6378097839&sender=vv12net&message=Sendsms%20URL%20Demo%20Message>

8. Send SMS Status/Error Code Description

Status Codes	Description
SUBMIT_SUCCESS XXXXXXXX-XXXX-XXXX- XXXX-XXXXXXXXXXXX	If message is submitted successfully on sms gateway you will receive “SUBMIT_SUCCESS” message as an response code with 32 digit message id separated by dash.
ERR_PARAMETER	The status code is returned if there is some missing parameter or sendsms URL is malformed.
ERR_MOBILE	The status code is returned for an invalid mobile number or if is greater than 21 and less than 5.
ERR_SENDER	The error code is returned for an invalid sender id or if sender id is either numeric and greater than 18 or alphanumeric and greater than 10.
ERR_MESSAGE_TYPE	The error code is returned in case if message type being submitted is not valid. <i>Note: Valid Parameters accepted should be in format either [TEXT, UNICODE, FLASH, UNICODE-FLASH]</i>
ERR_MESSAGE	The is returned in case if message is malformed or is not valid.
ERR_SPAM	The response code is returned in case if message is recognized as spam.
ERR_DLR	The response code is returned when dlr requisition is invalid.
ERR_USERNAME	The response code is returned if username is not formed well that is for invalid characters other than [a-z, A-Z, 0-9, -]
ERR_PASSWORD	This is returned if password is not formed well that is for invalid characters other than [a-z, A-Z, 0-9, -]
ERR_LOGIN	The response code is returned in case if user is not a valid user within the system which could be due to incorrect login parameters for username or password.
ERR_CREDIT	The response code is returned in case if user has insufficient balance in his account for processing the message.
ERR_SCHEDULE	Optional default is 0, but in case if schedule is passed so default value should be either 0 or 1 where 1 is to force scheduling for the message.
ERR_DATETIME	The error code is returned if you have specified invalid datetime format. <i>Note: Valid Datetime accepted should be in format [YYYY-MM-DD HH:MM]</i>
ERR_GMT	This status code is returned in case you have specified invalid gmt. <i>Note: Valid GMT's are [-12:00 -11:00 -10:00 -09:00 -08:00 -07:00 -06:00 -05:00 -04:00 -03:30 -03:00 -02:00 -01:00 -00:00 01:00 02:00 03:00 03:30 04:00 04:30 05:00 05:30 05:45 06:00 06:30 07:00 08:00 09:00 09:30 10:00 11:00 12:00 13:00]</i>
ERR_ROUTING	The response code is returned in case you are sending on invalid routing not specified for your account. To get avail for any targeted destinations you need to contact your customers relation officer.
ERR_INTERNAL	The response code is returned in case of any internal issue or server down for maintenance.

9. Balance Check Parameters

Base URL: <http://sms.sms-way.biz/checkbalance.php>

Parameters	Description
username	Account Username
password	Account Password

10. Balance Check URL

Balance check example.

<http://sms.sms-way.biz/checkbalance.php?username=XXXX&password=YYYYY>

11. Balance Check Status/Error Code Description

Status Codes	Description
ERR_LOGIN	The response code is returned in case if user is not a valid user within the system which could be due to incorrect login parameters for username or password.
ERR_USERNAME_PASSWORD	The response code is returned if username or password is not formed well that is for invalid characters other than [a-z, A-Z, 0-9, -]

12. Delievery Status Check Parameters

Base URL: <http://sms.sms-way.biz/dlrstatus.php>

Parameters	Description
username	Account Username
password	Account Password
messageid	SMS Message ID

13. Delievery Status Check URL

Delievery Status Check Example

<http://sms.sms-way.biz/dlrstatus.php?username=XXXX&password=YYYYY&messageid=xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxxxx>

14 . Delievery Check Status/Error Code Description

Status Codes	Description
ERR_LOGIN	The response code is returned if user login is invalid in system.
ERR_USERNAME_PASSWORD	The response code is returned if username or password is not formed well that is for invalid characters other than [a-z, A-Z, 0-9, -].
ERR_MSGID	The response code is returned in case of wrong or invalid message id.
DELIVRD	Delivered to destination
ACCEPTD	Accepted by network operator
UNDELIV	Message is undeliverable
EXPIRED	Validity period has expired
REJECTD	Message is in rejected state
DELETED	Message is deleted due to flood control mechanism.
UNKNOWN	Message is in unknown state
NACK/DISCARDED	Message discarded due to number being barred.
NACK/REJECTED	Message is in rejected state.
NACK/MALFORMED SMS	Message is malformed due to invalid message body or spam.
NACK/69/Submit failed	Message submission failed due to MSISDN not reachable.
NACK/10/Invalid Source Address	Message submission failed due to source invalid.
NACK/11/Invalid Destination Address	Message submission failed due to MSISDN invalid.
NACK/74/Unknown/Reserved	Message is in unknown state or source is reserved.