

# API Specification For Sending and Receiving SMS

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Banglalink Digital Communications Ltd.

This document will help explaining the specifications which needed to be followed in order to submit messages to **Banglalink** platform.

## Table of Contents

1. Introduction.....	2
2. Sending SMS.....	2
3. Receiving SMS.....	3
4. Character Limitation.....	4

## 1. Introduction

The **Banglalink** Platform is designed to offer you a convenient way of sending and receiving messages. It comes with web services to enable external applications and services to use this service. This API interface supports the transmission of SMS where client applications can request for sending and receiving messages.

## 2. Sending SMS

### 2.1. Method: HTTP POST

2.2. **API:** `https://vas.banglalink.net/sendSMS/sendSMS`

### 2.3. Parameters:

Input Fields	Type	Description
userID	String	Username that is used for login
passwd	String	Password that is used for login
sender	String	Originator mobile number/masking name[this is an optional parameter: By default the company billing number will be considered as sender]
msisdn	String	Destination mobile numbers separated by semicolon i.e. LocalSMS: 88019xxxxxxx;88017xxxxxxx..... InternationalSMS:+00xxxxxxx;+00xxxxxxx...
message	String	Message text (Both of English & Bangla message is allowed) [max length of message equal to 5 message & submit Bangla SMS by <b>URL-ENCODING</b> ]

2.4. **Response Value:** For any request to **Banglalink** Platform web service, it responses which contain the following public fields:

Method	Type	Description
Status	String	Success Count: 0 and Fail Count: 0 [success and failed counter values will indicate the actual SMS acknowledgement status]
ErrorText	String	Following are possible Error descriptions:  -MSISDN is disconnected...! -Sorry you send wrong password -Sorry you send wrong username -More than 5 SMS not allowed

### 3. Receiving SMS

#### 3.1. Method: HTTP GET

#### 3.2. API:

[https://vas.banglalink.net/ems\\_feedback\\_data\\_pull/pull\\_sms.php?msisdn=<msisdn>&userID=<user\\_id>&passwd=<password>&messageID=<message\\_id>](https://vas.banglalink.net/ems_feedback_data_pull/pull_sms.php?msisdn=<msisdn>&userID=<user_id>&passwd=<password>&messageID=<message_id>)

#### 3.3. Required parameter:

msisdn = Shortcode[XXXX]

user\_id = API user id

password = API encrypted password

message\_id = Latest/Last message id of the previous record pulled, on which afterwards data will be provided. Note that for the first time message id will be 1.

udh\_hex = user defined header code in hexa format if no concentration SMS then field will null otherwise hex value

#### 3.4. Response: (records in json format as sample)

```
{ "messageID:390560": { "sender": "8801962424021", "receiver": "8801969900169", "received_date": "24-01-2016 11:06:46", "message": "test sms1", "udh_hex": "0500034d0201" },
  "messageID:633809": { "sender": "8801962424021", "receiver": "8801969900169", "received_date": "17-07-2016 17:34:27", "message": "test sms2", "udh_hex": null } }
```

#### 3.5. Response code:

```
{ "-101": "Please provide all required parameter(s)!" }
```

-- that means msisdn, userID, passwd and messageID must be non-empty!!

```
{ "-102": "Company billing number is not valid format!" }
```

-- msisdn or company billing number is in invalid format.

```
{ "-103": "Number of digit of company billing number is less than 8 characters!" }
```

-- total count of digit numbers of company billing number is less than 8 character.

```
{ "-104": "Company billing number or user ID or password is incorrect!" }
```

-- provided msisdn or user Name or password is incorrect.

```
{ "-105": "Please provide all required parameter(s) vales with non-empty!" }
```

--all required parameters value must be non-empty.

```
{ "-106": "message_id field must be numeric value!" }
```

--message id must be numeric values.

```
{ "-107": "Billing number is disconnected!" }
```

--Billing number is disconnected!.

```
{ "-108": "Sorry! you have suspended from SMS pulling service. please contact with admin person." }
```

--if account is suspended.

#### 4. Character Limitation

Mode	Bangla	English
<b>Sending</b>	<ol style="list-style-type: none"><li>1. 70 characters for each sms</li><li>2. Max 5 sms can be sent in single trigger</li><li>3. Total <b>330 characters</b></li></ol>	<ol style="list-style-type: none"><li>1. 160 characters for each sms</li><li>2. Max 5 sms can be sent in single trigger</li><li>3. Total <b>765 characters</b></li></ol>
<b>Receiving</b>	N/A	160 Characters