

Welcome to SMSGATEWAYHUB

HTTP API Guide.



Introduction API 3.2

This document is to provide help and illustrations to users who wish to delivery SMS using the SMSGATEWAYHUB SMS Gateway via the HTTP Protocol.

Accessing gateway through HTTP's API is one of the best and the quickest ways to deliver SMS messages. The HTTP's API can be used to send various types of SMS messages including normal text messages, Unicode messages, Flash SMS.

This document gives a detailed explanation of using the gateway through HTTP API.

ParaMeter DefiNition

The following table gives the list of parameters required for sending message through SMSGATEWAYHUB Gateway using the HTTP API.

SMS API TIPS

HTTP POST v/s HTTP GET

Though you can communicate with our REST API using both POST and GET methods, we recommend you to use POST method for better performance.

urlEncoding

If your messages seems to be garbled, make sure you are urlencoding the messaging while using GET method to deliver. URLENCODING IS NOT REQUIRED FOR POST METHOD, Hence we recommend using POST method.

DEBUG Help

Our Engineers are super cool and they shall help you to debug if you are facing any kind of issues. Do not hesitate to get assistance from our engineers. They will be glad to help you in your API integration.

Access Quick HTTP SMS API URL List

Send SMS using HTTP/HTTPS Protocol. The HTTP/HTTPS interface to send Text SMS Messages can be accessed using GET or POST. All parameters must be URL Encoded and sent as UTF-8 text.

To test it on your preferred browser or using postman application, you can use the following SMS HTTP API URLs to test our rest SMS API.

Parameter Name	Description
Account Parameters	
APIKey	Instead of the username and password you can use the API KEY for authentication of account.
Message Parameters	
senderid	Approved sender id(6 characters string only).
Channel	Message channel Promotional=1 or Transactional=2
Route	Pass the route id in this parameter to route the message. Click Here for more information regarding your routeid.

DCS	Data coding value (Default is 0 for normal message, Set 8 for unicode sms)
Flashsms	Flash message immediate display (Default is 0 for normal sms, Set 1 for immediate display)
Number	Recipient mobile number (pass with comma seprated if need to send on more then one number)
Text	Your sms content
Optional Parameters	
Schedtime	Schedule date and time for scheduling message (DateTime formate will be 2014/10/06 20:30:00 PM yyyy/mm/dd hh:mm:ss PM)
Groupid	group id for numbers

Note : Only 100 mobile numbers are allowed.

APIKey: - An application programming interface key (API key) is a code passed in by computer programs calling an API (application programming interface) to identify the calling program, its developer, or its user to the Web site.

SenderId: - The Sender-Id refers to the Alphanumeric Identity of the Sender. For India analphanumeric sender-id (of maximum 6 characters) is accepted. International SMS can have alphanumeric sender-id (of maximum 11 characters).

Channel:- Choose Route like [Promotional](#) = **1** or [Transactional](#) = **2** for OTP =**OTP_for International =INT**

Route:- Pass the route id in this parameter to route the message. [Click Here](#) for more information regarding your routeid.

DCS: - Data coding value (Default is 0 for normal message, Set 8 for unicode sms)

Flashsms: - Flash message immediate display (Default is 0 for normal sms, Set 1 for immediate display)

Number :- Recipient mobile number (pass with comma seprated if need to send on more then one number) 91989xxxxxxx,91999xxxxxxx

Text :- Your sms content

160	characters 1 message
161 – 306	characters 2 messages

307 – 459	characters 3 messages
460 – 612	characters 4 messages
613 – 765	characters 5 messages
766 – 918	characters 6 messages
919 – 1071	characters 7 messages
1072 – 1224	characters 8 messages
1225 – 1377	characters 9 messages

Schedtime:- Schedule date and time for scheduling message (DateTime formate will be 2014/10/06 20:30:00 PM yyyy/mm/dd hh:mm:ss PM)

Groupid:- group id for numbers

Note : Due to restrictions in the HTTP protocol, the following special characters must be encoded, as shown below, to avoid collision with reserved HTTP characters.

Messaging API

Sending a Single Message

To send a single message of any type (normal text messages, Unicode messages, Flash Messages), the gateway requires parameters like API KEY for authentication purpose in below URL format

```
https://www.msggatewayhub.com/api/mt/SendSMS?APIKey=yourapicode&senderid=TESTIN&channel=2
&DCS=0&flashsms=0&number=91989xxxxxxx&text=test message&route=clickhere
```

Response in XML :

```
{ "ErrorCode": "000", "ErrorMessage": "Success", "JobId": "20047", "MessageData": [ { "Number": "919
89xxxxxxx", "MessageId": "mvHdpSyS7U0s9hjxixQLvw" }, { "Number": "91989xxxxxxx", "MessageId": "Pf
ivClgH20iG6G5R3usHwA" } ] }
```

Response in json :

```
{
  "ErrorCode": "000",
  "ErrorMessage": "Success",
  "JobId": "236xxx416",
  "MessageData": [
    {
      "Number": "91xxxxxxxxxx",
      "MessageId": "CIhWJxxxxxxxxh8LyULwGQw",
      "Message": "Test from MSGGATEWAYHUB"
    }
  ]
}
```

Note : An Optional IP validation feature is also available for security of clients who access the gateway via a Global Static IP

Sending a Multiple Messaging (BULK Messaging)

For sending Bulk SMS messages, the following URL, along with the required parameters, needs to be accessed

```
https://www.msggatewayhub.com/api/mt/SendSMS?APIKey=yourapicode&senderid=TESTIN&channel=2&DCS=0&flashsms=0&number=91989xxxxxxx,91999xxxxxxx&text=test message&route=clickhere
```

Response in XML :

```
{"ErrorCode": "000", "ErrorMessage": "Success", "JobId": "20047", "MessageData": [{"Number": "91989xxxxxxx", "MessageId": "mvHdpSyS7UOs9hjxixQLvw"}, {"Number": "91999xxxxxxx", "MessageId": "PfiVClgH20iG6G5R3usHwA"}]}
```

Response in Json :

```
{
  "ErrorCode": "000",
  "ErrorMessage": "Success",
  "JobId": "2369xx549",
  "MessageData": [
    {
      "Number": "91xxxxxxxxxx",
      "MessageId": "js5INguVLxxxxxQt6xrtw",
      "Message": "Test from SMSGATEWAYHUB"
    },
    {
      "Number": "91xxxxxxxxxx",
      "MessageId": "r0evDxWxxxxxxqoECLDA",
      "Message": "Test from SMSGATEWAYHUB"
    }
  ]
}
```

Schedule SMS API

Schedule an SMS. Schedule an SMS so that it is sent at a future date with this application. Choose the date and then enter the mobile phone number and a message. On the selected date, the SMS will be automatically sent.

```
https://www.msggatewayhub.com/api/mt/SendSMS?APIKey=yourapicode&senderid=TESTIN&channel=2&DCS=0&flashsms=0&number=91989xxxxxxx&text=test message&schedtime=2015/12/31 22:35:00 PM&route=clickhere
```

Response in XML:

```
{"ErrorCode": "000", "ErrorMessage": "Success", "JobId": "20047", "MessageData": [{"Number": "91989xxxxxxx", "MessageId": "BqTiw66A2UGLfv3DnwHFLQ"}]}
```

Group SMS API

```
http://www.msggatewayhub.com/api/mt/SendSMS?APIKey=yourapicode&senderid=TESTIN&channel=2&DCS=0&flashsms=0&number=91989xxxxxxx&text=test message&groupid=###&route=clickhere
```

Response in XML:

```
{"ErrorCode": "000", "ErrorMessage": "Success", "JobId": "20047", "MessageData": [{"Number": "91989xxxxxxx", "MessageId": "mvHdpSyS7UOs9hjsxQLvw"}, {"Number": "91999xxxxxxx", "MessageId": "PfiVClgH20iG6G5R3usHwA"}]}
```

To Get All Group Details

<https://www.smsgatewayhub.com/api/group/getallgroups?APIKey=yourapicode>

Response in XML:

```
{
  "Status": true,
  "Result": [
    {
      "GroupId": 10,
      "GroupName": "Test"
    },
  ],
}
```

Note : Make sure to use all api in Post Method :: Content type json only

To Add New Group

<https://www.smsgatewayhub.com/api/group/addnewgroup?APIKey=yourapicode&GroupName=Name>

Groupname - you want to create new group name

Response in XML:

```
{
  "Status": true,
  "Result": "Success:22358"
}
```

Note : In above api it will return either group or error on result

To Add Number's in Group

<https://www.smsgatewayhub.com/api/group/uploadcontacts?APIKey=yourapicode&GroupName=MYNEWGROUP&Numbers=91xxxxxxxxxx,91xxxxxxxxxx,91xxxxxxxxxx>

Response in XML:

```
{
  "Status": true,
  "Result": "Numbers added to group."
}
```

Check Delivery API

For accessing delivery report for SMS messages sent during a particular date and time duration, the following URL, along with the required parameters, needs to be accessed

<https://www.msggatewayhub.com/api/mt/GetDelivery?APIKey=yourapicode&jobid=#####>

Response in XML:

```
{"ErrorCode": "0", "ErrorMessage": "Success", "MessageId": null, "DeliveryReports": [{"MessageId": "mvHdpSyS7UOs9hJxixQLvw", "DeliveryStatus": "Delivered", "DeliveryDate": "2015-09-28T06:17:00"}, {"MessageId": "PfivClgH20iG6G5R3usHwA", "DeliveryStatus": "Delivered", "DeliveryDate": "2015-09-28T06:17:00"}]}
```

Check Multiple Delivery API

<https://www.msggatewayhub.com/smsapi/mis.aspx?user=username&password=password&fromdate=mm/dd/yyyy&todate=mm/dd/yyyy>

Note: you need to use your UI User ID and Password

Check Balance API

You can Check your Balance by Using this API

<https://www.msggatewayhub.com/api/mt/GetBalance?APIKey=yourapicode>

Response in XML:

```
{"ErrorCode": "0", "ErrorMessage": "Success", "Balance": "Promo:0|Trans:0"}
```

Shortlink API

Post Method URL

<https://www.msgatewayhub.com/api/mt/SendSms>

```
<SmsQueue>
  <Account>
    <User>userID</User>
    <Password>Password</Password>
    <SenderId>SMSSHUB</SenderId>
    <Channel>Trans</Channel>
    <DCS>0</DCS>
    <FlashSms>0</FlashSms>
    <Route>2</Route>
  </Account>
  <Messages>
    <Message>
      <Number>91xxxxxxxxxx</Number>
      <Text>Hello google #Link1# this is yourtube #Link2# thanks</Text>
    </Message>
  </Messages>
  <Links>
    <Links>
      <Link>www.google.com</Link>
    </Links>
    <Links>
      <Link>www.youtube.com</Link>
    </Links>
  </Links>
</SmsQueue>
```

Response in Jsn :

```
{
  "ErrorCode": "000",
  "ErrorMessage": "Success",
  "JobId": "236xxx4430",
  "MessageData": [
    {
      "Number": "91xxxxxxxxxx",
      "MessageId": "4cK6vS6xxxxdfN7mBlsOQ",
      "Message": "Hello google sg0.co/ARid5 this is yourtube sg0.co/BRdDV5
thanks"
    }
  ]
}
```


“XML API URL”

Post Method

URL: <https://www.smsgatewayhub.com/api/mt/SendSms>

```
<SmsQueue><Account><APIKey>yourapikey</APIKey><SenderId>WEBSMS</SenderId><Channel>2</Channel><DCS>0</DCS><FlashSms>0</FlashSms><Route>1</Route></Account><Messages><Message><Number>9198981XXXXX</Number><Text>Test Message</Text></Message></Messages></SmsQueue>
```

The screenshot shows a REST client interface with the following details:

- Method: POST
- URL: <https://www.smsgatewayhub.com/api/mt/SendSms>
- Buttons: Send, Save
- Body tab selected, format set to XML
- XML body content:

```
1 <SmsQueue>
2   <Account>
3     <APIKey>yourapikey</APIKey>
4     <SenderId>WEBSMS</SenderId>
5     <Channel>2</Channel>
6     <DCS>0</DCS>
7     <FlashSms>0</FlashSms>
8     <Route>1</Route>
9   </Account>
10  <Messages>
11    <Message>
12      <Number>919876XXXXXX</Number>
13      <Text>Hello world</Text>
14    </Message>
15  </Messages>
16 </SmsQueue>
```

Response:

The screenshot shows a REST client interface displaying the response:

- Status: 200 OK
- Time: 1210 ms
- Size: 426 B
- Response tab selected, format set to JSON
- JSON response content:

```
1 {
2   "ErrorCode": "000",
3   "ErrorMessage": "Success",
4   "JobId": "375874747",
5   "MessageData": [
6     {
7       "Number": "919876XXXXXX",
8       "MessageId": "5wdgc55XPEyx600NsC04tg",
9       "Message": "Hello world"
10    }
11  ]
12 }
```

XML API:

- **Trigger API:** <https://www.msggatewayhub.com/api/mt/SendSms>

```
<SmsQueue><Account><APIKey>yourapikey</APIKey><SenderId>WEBSMS</SenderId><Channel>2</Channel><DCS>0</DCS><FlashSms>0</FlashSms><Route>1</Route></Account><Messages><Message><Number>9198765XXXXX</Number><Text>Hello World</Text></Message></Messages></SmsQueue>
```

Add for schedule the campaign < SchedTime>schedule time</ SchedTime>

for group message < GroupId>group id</ GroupId>

- **Response:**

```
{
  "ErrorCode": "000",
  "ErrorMessage": "Success",
  "JobId": "375887642",
  "MessageData": [
    {
      "Number": "9198765XXXXX",
      "MessageId": "KB9O7ys6BUKfpKUptuCfQQ",
      "Message": "Hello world"
    }
  ]
}
```

➤ **Parameters details:**

For yourapikey - <https://www.msggatewayhub.com/Panel/WebAPI/APICodes.aspx>

Channel=2 for transactional, Channel=1 for promotional

DCS=0 For English, DCS=8 For Unicode (Hindi, Marathi, Punjabi etc.)

Route=1 (Default)

Sender ID - WEBSMS or Your approved sender ID as per **DLT**

API Error Code

Error Code	Description
000	Success
001	login details cannot be blank
003	sender cannot be blank
004	message text cannot be blank
005	message data cannot be blank
006	error: generic error description
007	username or password is invalid
008	account not active
009	account locked, contact your account manager
010	api restriction
011	ip address restriction
012	invalid length of message text
013	mobile numbers not valid
014	account locked due to spam message contact support
015	senderid not valid
017	groupid not valid
018	multi message to group is not supported
019	schedule date is not valid
020	message or mobile number cannot be blank
021	insufficient credits
022	invalid jobid
023	parameter missing
024	invalid template or template mismatch
025	{Field} can not be blank or empty
026	invalid date range
027	invalid optin user

For More Detail Please visit : <https://www.msggatewayhub.com/free-sms-gateway-developer-api.aspx>

Thank you

For any Kindly of Support in API Please Mail Us at : support@msggatewayhub.com or call :
9907922122 & Press 112