

End User Manual

For

HTTP(S)/XML/JSON API

Overview

HTTP(S)/XML/JSON API module is intended for users, who wants to use API SMS Gateway for sending messages. You can send single/multiple SMS using HTTP/HTTPS API format and XML/JSON API format. User name and Password for sending messages, will be provided by our Team after user opens his account.

System Overview

HTTP/HTTPS API

HTTP/HTTPS API supports requirements given below.

1. Supports all languages with special characters
2. Supports concatenated messages (long SMS)
3. Supports text and Unicode messages (Hindi, Gujarati, Marathi etc)
4. Dynamic sender identity

URL:

You will call URL given below, using GET method.

<http://web.msgw.in/smsapi/httpapi.jsp?>

OR

<https://web.msgw.in/smsapi/httpapi.jsp?>

Please mention the below parameters for above URL request:

Compulsory Parameter Description

1. username: Valid User Name provided, when user registers for an account.
2. password: Valid Password provided in combination with the Username, when user registers for an account.
3. to: comma separated mobile numbers on which message will be delivered. (Example 98XXXXXXX).
4. from: from parameter refers to the Sender Id registered for sending messages
5. text: text parameter refers to the Message content, which needs to be sent to entered Mobile Number. (Example: Written content will be sent.)
6. pe_id: entity id generated by registering on DLT Platform of operator
7. template_id- template id generated against approved sms content on DLT platform

Optional Parameter Description

1. coding: If you want to send Unicode SMS, then enter value as 2. If you do not use this parameter, then it will take non-Unicode by default.
2. scheduletime: Schedule time to deliver this message in the format of YYYY-MM-DD HH:mm
3. flash: If you want to send Flash SMS, then enter value as per below requirement:
 - ✓ 1 : This type supports all modern handsets and English SMS count will be as 70 chars per SMS (like non –English SMS).
 - ✓ 2 : This type might be not supports all modern handsets and English SMS count will be as 160 chars per SMS (like other English SMS).
4. responsetype: you can get response in text by using 'csv' and in JSON by using 'json' as value in this parameter. Default response type will be XML if you are not using this parameter.

Note: Note:we recommender sending sms content in url encoded format for English sms and UTF16 for Unicode sms because if you are using special characters in sms text then it may not be converted

Example to call HTTP(S)API

[http://web.msgw.in/smsapi/httpapi.jsp?username=XXXXXXXXXX&password=XXXXXX&from=XXXXXX
&t
o=XXXXXXXXXX,XXXXXXXXXX&text=hello+world&coding=0&pe_id=xxxxxx&template_id=xxxxx&sched
uletime=XXXX-XX-XX XX:XX&flash=1](http://web.msgw.in/smsapi/httpapi.jsp?username=XXXXXXXXXX&password=XXXXXX&from=XXXXXX&t
o=XXXXXXXXXX,XXXXXXXXXX&text=hello+world&coding=0&pe_id=xxxxxx&template_id=xxxxx&sched
uletime=XXXX-XX-XX XX:XX&flash=1)

OR

[https://web.msgw.in/smsapi/httpapi.jsp?username=XXXXXXXXXX&password=XXXXXX&from=XX
XXXX&
to=XXXXXXXXXX,XXXXXXXXXX&text=hello+world&coding=0&pe_id=xxxxxx&template_id=xxxxx
&scheduletime=XXXX-XX-XX XX:XX&flash=2](https://web.msgw.in/smsapi/httpapi.jsp?username=XXXXXXXXXX&password=XXXXXX&from=XX
XXXX&
to=XXXXXXXXXX,XXXXXXXXXX&text=hello+world&coding=0&pe_id=xxxxxx&template_id=xxxxx
&scheduletime=XXXX-XX-XX XX:XX&flash=2)

Response:

You will receive below XML response if Message is Successfully Sent.

```
<data>  
<ackid>xxxxxx-xxxxxxxxxxx </ackid>  
<msgid>xxxxxx-xxxxxxxxxxx, xxxxxxxxxxxx</msgid>  
</data>
```

You will receive below XML response if Message is not successfully sent.

```
<Error>  
<ErrorCode>xxx</ErrorCode>  
<ErrorDesc>xxxxxxxxxxxxxxxxxxx</ErrorDesc>  
</Error>
```

XML API

For bulk SMS sending, write XML data in format given below and post to URL given.

XML Format for Single SMS to Multiple Numbers:

URL: You will call the below URL using POST method.

<http://web.msgw.in/mobxmlapi/xmlsmsapi.jsp>

OR

<https://web.msgw.in/mobxmlapi/xmlsmsapi.jsp>

```
<data>  
<userinfo>  
<name>XXXXXXXX</name>  
<password>XXXXXXXX</password>  
<from>XXXXXX</from>  
<pe_id>xxxxxx</pe_id>  
<template_id>xxxxxx</template_id>  
</userinfo>  
<recipient>  
<to>XXXXXXXXXX</to>  
</recipient>  
<recipient>  
<to>XXXXXXXXXX</to>  
</recipient>  
<recipient>  
<to>XXXXXXXXXX</to>  
</recipient>  
</recipient>  
<message>  
<text>This is testing for xml data</text>  
<coding>0</coding>  
</message>  
</data>
```

XML Format for Multiple SMS to Multiple Numbers:URL: You will call the below URL using POST method.

<http://web.smsgw.in/mtplxmlapi/xmlsmsapi.jsp>

OR

<https://web.smsgw.in/mtplxmlapi/xmlsmsapi.jsp>

```
<data>
<userinfo>
<name>XXXXXXXX</name>
<password>XXXXXXXX</password>
<from>XXXXXX</from>
<pe_id>XXXXX</pe_id>
<template_id>xxxxxx</template_id>
<coding>0</coding>
</userinfo>
<recipient>
<to>XXXXXXXXXX</to>
<msg>This is testing for xml data</msg>
</recipient>
<recipient>
<to>XXXXXXXXXX</to>
<msg>This is testing for xml data</msg>
</recipient>
<recipient>
<to>XXXXXXXXXX</to>
<msg>This is testing for xml data</msg>
</recipient>
<recipient>
<to>XXXXXXXXXX</to>
<msg>This is testing for xml data</msg>
</recipient>
<recipient>
<to>XXXXXXXXXX</to>
<msg>This is testing for xml data</msg>
</recipient>
<recipient>
<to>XXXXXXXXXX</to>
<msg>This is testing for xml data</msg>
</recipient>
<recipient>
<to>XXXXXXXXXX</to>
<msg>This is testing for xml data</msg>
</recipient>
</data>
```

XML Format for Single SMS to Multiple Numbers & Multiple SMS to Multiple Numbers:

URL: You will call the below URL using POST method.

<http://web.smsgw.in/nxmlapi/xmlsmsapi.jsp>

OR

<https://web.smsgw.in/nxmlapi/xmlsmsapi.jsp>

```
<data>
<user>
<name>XXXXXXXX</name>
<password>XXXXXXXX</password>
<from>XXXXXX</from>
<pe_id>xxxxxx</pe_id>
<template_id>xxxxxx</template_id>
```

```

<to>XXXXXXXX</to>
<text> This is testing for xml data </text>
<coding>0</coding>
</user>
<user>
<name>XXXXXXXX</name>
<password>XXXXXXXX</password>
<from>XXXXXX</from>
<pe_id>xxxxxxx</pe_id>
<template_id>xxxxxx</template_id>
<to>XXXXXXXX</to>
<text> This is testing for xml data </text>
<coding>0</coding>
</user>
<user>
<name>XXXXXXXX</name>
<password>XXXXXXXX</password>
<from>XXXXXX</from>
<pe_id>xxxxxxx</pe_id>
<template_id>xxxxxx</template_id>
<to>XXXXXXXX</to>
<text> This is testing for xml data </text>
<coding>0</coding>
</user>
.
.
.
.
</user>
</data>

```

Compulsory Parameter Description

1. username: Valid User Name provided, when user registers for an account
2. password: Valid Password provided in combination with the Username, when user registers for an account.
3. to: comma separated mobile numbers on which message will be delivered. (Example 98XXXXXXXX).
4. from: from parameter refers to the Sender Id registered for sending messages
5. text: text parameter refers to the Message content, which needs to be sent to entered Mobile Number. (Example: Written content will be sent.)
6. pe_id: entity id generated by registering on DLT Platform of operator
7. template_id- template id generated against approved sms content on DLT platform

Optional Parameter Description

1. coding: If you want to send Unicode SMS, then enter value as 2. If you do not use this parameter, then it will take non-Unicode by default.

Note: we recommend sending sms content in url encoded format for English sms and UTF16 for Unicode sms because if you are using special characters in sms text then it may not be converted

2.

Response:

You will receive below XML response if Message is successfully sent.

```

<data>
<ackid>xxxxx-xxxxxxxxxx </ackid>

```

```
<msgid>xxxxxx-xxxxxxxxxxxx, xxxxxxxxx</msgid>
</data>
```

You will receive below XML response if Message is not successfully sent.

```
<Error>
<ErrorCode>xxx</ErrorCode>
<ErrorDesc>xxxxxxxxxxxxxxxx</ErrorDesc>
</Error>
```

JSON API

For bulk SMS sending, write JSON data in format given below and post to URL given.

JSON Format for Single SMS to Single/Multiple Numbers:

URL: You will call the below URL using POST method.

<http://web.msgw.in/smsapi/jsonapi.jsp>

OR

<https://web.msgw.in/smsapi/jsonapi.jsp>

```
{
"username": "XXXXXXXX",
"password": "XXXXXXXX",
"from": "XXXXXX",
"pe_id": "xxxxxx",
"template_id": "xxxxxx"
"to": [ "XXXXXXXXXX", "XXXXXXXXXX", "XXXXXXXXXX", "XXXXXXXXXX", ..... "XXXXXXXXXX" ],
"text": "This is testing for json data",
"coding": "0",
"flash": "1",
"scheduledtime": "XXXX-XX-XX XX:XX"
}
```

Compulsory Parameter Description

1. username: Valid User Name provided, when user registers for an account
2. password: Valid Password provided in combination with the Username, when user registers for an account.
3. to: comma separated mobile numbers on which message will be delivered. (Example 98XXXXXXXX).
4. from: from parameter refers to the Sender Id registered for sending messages
5. text: text parameter refers to the Message content, which needs to be sent to entered Mobile Number. (Example: Written content will be sent.)
6. pe_id: entity id generated by registering on DLT Platform of operator
7. template_id- template id generated against approved sms content on DLT platform

Note: we recommend sending sms content in url encoded format for English sms and UTF16 for Unicode sms because if you are using special characters in sms text then it may not be converted

Optional Parameter Description

1. coding: If you want to send Unicode SMS, then enter value as 2. If you do not use this parameter, then it will take non-Unicode by default.
2. scheduledtime: Schedule time to deliver this message in the format of YYYY-MM-DD HH:mm
3. flash: If you want to send Flash SMS, then enter value as per below requirement:
 - ✓ 1 : This type supports all modern handsets and English SMS count will be as 70 chars per SMS (like non –English SMS).
 - ✓ 2 : This type might be not supports all modern handsets and English SMS count will be as 160 chars per SMS (like other English SMS).

Response:

You will receive below JSON response if Message is successfully sent.

```
{
  "data" : {
    "ackid" : "xxxxx-xxxxxxxxxxx",
    "msgid" : [ "xxxxxx-xxxxxxxxxxxxx, xxxxxxxxxxx", "xxxxxx-xxxxxxxxxxxxx, xxxxxxxxxxx",..... ]
  }
}
```

You will receive below JSON response if Message is not successfully sent.

```
{
  "Error" : {
    "ErrorCode" : "xxx",
    "ErrorDesc" : "xxxxxxxxxxxxxxxxxxxxx"
  }
}
```

JSON API(Multiple to Multiple)

For bulk SMS sending, write JSON data in format given below and post to URL given.

JSON Format for Different SMS to Multiple Numbers:

URL: You will call the below URL using POST method.

http://web.msgw.in/smsapi/jsonapi_mtpl.jsp

OR

https://web.msgw.in/smsapi/jsonapi_mtpl.jsp

Data Format:

```
{
  "username":"xxx",
  "password":"xxx",
  "from" : "xxxxxx",
  "data": [
    {"to":"xxxxxxxxxx", "text":"xxx xxxxxx xxxxx xxxx ", "coding" : "0", "pe_id":"xxxx", "template_id":"xxxxx"},
    {"to":"xxxxxxxxxx", "text":"xxxx xxxx xxxxx", "coding" : "0", "pe_id":"xxxx", "template_id":"xxxx"},
    {"to":"xxxxxxxxxx", "text":"%xx%xx%xx%xx% ", "coding" : "2", "pe_id":"xxxx", "template_id":"xxxx"}
  ],
  "flash" : "1",
  "scheduletime" : "XXXX-XX-XX XX:XX"
}
```

Compulsory Parameter Description

1. username: Valid User Name provided, when user registers for an account
2. password: Valid Password provided in combination with the Username, when user registers for an account.
3. mobile numbers and text as well as coding (coding= 0 for English message and coding=2 for Unicode message).
4. from: from parameter refers to the Sender Id registered for sending messages
5. pe_id

Optional Parameter Description

1. scheduletime: Schedule time to deliver this message in the format of YYYY-MM-DD HH:mm
2. flash: If you want to send Flash SMS, then enter value as per below requirement:
 - ✓ 1 : This type supports all modern handsets and English SMS count will be as 70 chars per SMS (like non –English SMS).
 - ✓ 2 : This type might be not supports all modern handsets and English SMS count will be

as 160 chars per SMS (like other English SMS).

- ✓ **Note:we recommender sending sms content in url encoded format for English sms and UTF16 for Unicode sms because if you are using special characters in sms text then it may not be converted**

Response:

You will receive below JSON response if Message is successfully sent.

```
{
  "report":{
    "msgid":"xxxxx-xxxxxxx,msisdn","ackid":"xxxxxxx"
  }
}
{"report":{
  "msgid":"xxxxx-xxxxxxx,msisdn","ackid":"xxxxxxx"
}
}
.....
.....
{"report":{
  "msgid":"xxxxx-xxxxxxx,msisdn","ackid":"xxxxxxx"
}
}
```

Error Response:

You will receive below JSON response if Message is not successfully sent.

```
{
  "Error" : {
    "ErrorCode" : "xxx",
    "ErrorDesc" : "xxxxxxxxxxxxxxxxxx"
  }
}
```

Pull DLR API

URL for getting delivery report:

<http://web.msgw.in/dlrresponse/dlrresp.jsp?ackid=xxxx>

xx OR

<https://web.msgw.in/dlrresponse/dlrresp.jsp?ackid=xxxxxx>

Parameter Description:

1. ackid: ackid is the parameter, for which you want DLR and this should be same as you have got in response for requested SMS through HTTP/XML API.
2. responsetype: you can get response in text by using 'csv' and in JSON by using 'json' as value in this parameter. Default response type will be XML if you are not using this parameter.

Response:

You will receive below XML response.

```
<dlr>
<dlrinfo>
<msgid>xxxxx-xxxxxxxxxxxx</msgid>
<ackid>xxxx-xxxxxxxxxxxx</ackid>
<mob>91xxxxxxxx</mob>
<senderid>xxxxxx</senderid>
<submittime>xxxx-xx-xx xx:xx:xx.x</submittime>
<delvtime> xxxx-xx-xx xx:xx:xx.x </delvtime>
<dlrdesc>xxxxxxxxxxxx</dlrdesc>
</dlrinfo>
<dlrinfo>
<msgid> xxxxx-xxxxxxxxxxxx </msgid>
<ackid> xxxxxxxxxxxxxxxxx </ackid>
<mob>91xxxxxxxx</mob>
<senderid>xxxxxx</senderid>
<submittime> xxxx-xx-xx xx:xx:xx.x </submittime>
<delvtime> xxxx-xx-xx xx:xx:xx.x </delvtime>
<dlrdesc>xxxxxxxxxxxx </dlrdesc>
</dlrinfo>
```


</dlr>

Push DLR

Client's URL need to be configured at our end in order to push the DLR with below Parameters:

message_id (For Exp: username-1484380575027)

dlrstatus (For Exp:

Delivered) **msisdn** (For

Exp: 9266669268)

sender_id (For Exp:

TESTIN)

submittime (For Exp: 2017-04-14 13:26:00)

delvtime (For Exp: 2017-04-14 13:27:00)

dlrcode (For Exp: 000)

Client will receive above parameters on their configured URL.

Error Codes with Description

Code

Descrip

tion

010 Sender Id length/format

error011 MSISDN

Length/Format Error 15

Insufficient Credit Error

103 Message Empty

Error104 Coding

Error

105 Scheduletime Format Error

****NOTE: MESSAGE HAS TO BE URL ENCODED FORMAT**

****NOTE: MULTIPLE MOBILE NUMBERS HAS TO BE COMMA SEPERATED**

For any support, please contact our Team

*****End of Document*****