

SMSTGatewayHub

Developer Documentation

SMS, OTP & Voice API Reference

SendSMS (GET, JSON, XML), OTP, international,
balance, delivery reports, voice and error codes

Online docs: www.smsgatewayhub.com/free-sms-gateway-developer-api

Swagger: www.smsgatewayhub.com/swagger/ui/index

Support: info@smsgatewayhub.com · Sales 1800 102 1822

Getting started

Create a free account at www.msgatewayhub.com/register, log in to the panel and copy your credentials. Keep keys and tokens on your server only; never put them in apps or browser code.

API	Base URL / host	Authentication
SMS / OTP / International	https://www.msgatewayhub.com/api/mt/	APIKey query parameter or JSON field
Voice (TTS / OBD)	https://vapi.msgatewayhub.com/tts/3/	Authorization: Basic base64(username:password)
Interactive reference	https://www.msgatewayhub.com/swagger/ui/index	Try endpoints in Swagger UI

Throughput: standard accounts 200 requests/second (100–500 ms); high-availability cluster up to 2000 TPS (50–150 ms).

1. Send SMS

Send a DLT-compliant SMS. The same endpoint handles transactional/service (channel=2), promotional (1), OTP and international (INT) traffic.

GET <https://www.msgatewayhub.com/api/mt/SendSMS>

Parameter	Type	Required	Description
APIKey	string	Yes	Your API key from the panel (API Settings).
senderid	string	Yes	DLT-approved 6-character sender ID (header).
channel	string	Yes	2 Transactional/Service, 1 Promotional, OTP OTP route, INT International.
DCS	string	No	0 English/GSM (default), 8 Unicode (Hindi and regional languages).
flashsms	string	No	0 normal SMS (default), 1 flash SMS.
number	string	Yes	Recipient with country code, e.g. 9198XXXXXXX . Comma-separate for bulk.
text	string	Yes	Message text, URL-encoded. Must match the DLT template exactly.
route	string	No	Route ID assigned to your account.
EntityId	string	Yes*	DLT Principal Entity ID. *Not needed for channel=INT .
dltemplateid	string	Yes*	DLT content template ID. *Not needed for channel=INT .
schedtime	string	No	Schedule time, format yyyy/mm/dd hh:mm:ss AM/PM .
groupid	string	No	Send to a saved contact group instead of numbers.

cURL

```
curl -G "https://www.msgatewayhub.com/api/mt/SendSMS" \
  --data-urlencode "APIKey=YOUR_API_KEY" \
  --data-urlencode "senderid=TESTIN" \
  --data-urlencode "channel=2" \
  --data-urlencode "DCS=0" \
  --data-urlencode "flashsms=0" \
  --data-urlencode "number=9198XXXXXXX" \
  --data-urlencode "text=Your order 12345 is confirmed - TESTIN" \
  --data-urlencode "route=1" \
  --data-urlencode "EntityId=YOUR_ENTITY_ID" \
  --data-urlencode "dltemplateid=YOUR_TEMPLATE_ID"
```

PHP

```
<?php
$params = [
    'APIKey' => 'YOUR_API_KEY',
    'senderid' => 'TESTIN',
    'channel' => '2',
    'DCS' => '0',
    'flashsms' => '0',
    'number' => '9198XXXXXXX',
    'text' => 'Your order 12345 is confirmed - TESTIN',
    'route' => '1',
    'EntityId' => 'YOUR_ENTITY_ID',
    'dltemplateid' => 'YOUR_TEMPLATE_ID'
];
$url = 'https://www.msgatewayhub.com/api/mt/SendSMS?' . http_build_query($params);

$ch = curl_init($url);
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);
curl_setopt($ch, CURLOPT_TIMEOUT, 30);
$response = curl_exec($ch);
curl_close($ch);

$result = json_decode($response, true);
if ($result['ErrorCode'] === '000') {
    echo 'Sent. JobId: ' . $result['JobId'];
} else {
    echo 'Error ' . $result['ErrorCode'] . ': ' . $result['ErrorMessage'];
}
```

Python

```
import requests

params = {
    "APIKey": "YOUR_API_KEY",
    "senderid": "TESTIN",
    "channel": "2",
    "DCS": "0",
    "flashsms": "0",
    "number": "9198XXXXXXX",
    "text": "Your order 12345 is confirmed - TESTIN",
    "route": "1",
    "EntityId": "YOUR_ENTITY_ID",
    "dltemplateid": "YOUR_TEMPLATE_ID"
}
r = requests.get("https://www.msgatewayhub.com/api/mt/SendSMS", params=params, timeout=30)
data = r.json()
print(data["ErrorCode"], data.get("JobId"), data["ErrorMessage"])
```

Node.js

```
const params = new URLSearchParams({
  APIKey: "YOUR_API_KEY",
  senderid: "TESTIN",
  channel: "2",
  DCS: "0",
  flashsms: "0",
  number: "9198XXXXXXX",
  text: "Your order 12345 is confirmed - TESTIN",
  route: "1",
  EntityId: "YOUR_ENTITY_ID",
  dltemplateid: "YOUR_TEMPLATE_ID"
});

const res = await fetch(`https://www.msgatewayhub.com/api/mt/SendSMS?${params}`);
const data = await res.json();
console.log(data.ErrorCode, data.JobId, data.ErrorMessage);
```

Response

```
{
  "ErrorCode": "000",
  "ErrorMessage": "Success",
  "JobId": "20047",
  "MessageData": [
    { "Number": "9198XXXXXXX", "MessageId": "BqTiw66A2UGLFV3DnwHFLQ" }
  ]
}
```

Unicode: DCS=8 with URL-encoded text. Flash: flashsms=1. Schedule: schedtime. Bulk: comma-separated numbers.

2. OTP SMS

Use channel=OTP with a DLT-approved OTP template; OTP routes reach DND numbers 24x7.

URL

```
https://www.smsgatewayhub.com/api/mt/SendSMS?APIKey=YOUR_API_KEY&senderid=TESTIN&channel=OTP&DCS=0&flashsms=0&number=9198XXXXXXX&text=482913%20is%20your%20TP%20-%20TESTIN&route=1&EntityId=YOUR_ENTITY_ID&dltemplateid=YOUR_TEMPLATE_ID
```

3. International SMS

Use channel=INT and the full number with country code (no +). EntityId and dltemplateid are not required.

4. JSON and XML POST

POST <https://www.smsgatewayhub.com/api/mt/SendSMS>

JSON body

```
{
  "Account": {
    "APIkey": "YOUR_API_KEY",
    "SenderId": "TESTIN",
    "Channel": "2",
    "DCS": "0",
    "EntityId": "YOUR_ENTITY_ID"
  },
  "Messages": [
    {
      "Text": "Your order 12345 is confirmed - TESTIN",
      "DLTemplateId": "YOUR_TEMPLATE_ID",
      "Number": "9198XXXXXXX"
    }
  ]
}
```

XML body

```
<SmsQueue>
  <Account>
    <APIKey>YOUR_API_KEY</APIKey>
    <SenderId>TESTIN</SenderId>
    <Channel>2</Channel>
    <EntityId>YOUR_ENTITY_ID</EntityId>
    <DCS>0</DCS>
    <Route>1</Route>
  </Account>
  <Messages>
    <Message>
      <Number>9198XXXXXXX</Number>
      <Text>Your order 12345 is confirmed - TESTIN</Text>
      <DltTemplateId>YOUR_TEMPLATE_ID</DltTemplateId>
    </Message>
  </Messages>
</SmsQueue>
```

5. Short links

Use #Link1#, #Link2# placeholders in text and pass URLs in a Links block. Short-link domains must be whitelisted on DLT.

XML

```
<Links>
  <Link>https://www.example.com/offer</Link>
</Links>
```

6. Balance and delivery reports

GET https://www.msgatewayhub.com/api/mt/GetBalance?APIKey=YOUR_API_KEY

Response

```
{ "ErrorCode": "0", "ErrorMessage": "Success", "Balance": "9988" }
```

GET https://www.msgatewayhub.com/api/mt/GetDelivery?APIKey=YOUR_API_KEY&jobid=20047

Response

```
{
  "ErrorCode": "0",
  "ErrorMessage": "Success",
  "DeliveryReports": [
    {
      "MessageId": "mvHdpSyS7U0s9hJxixQLvw",
      "DeliveryStatus": "Delivered",
      "DeliveryDate": "YYYY-MM-DDTHH:MM:SS"
    }
  ]
}
```

Success is 000 on SendSMS and 0 on GetBalance / GetDelivery.

7. SMS error codes

Code	Meaning	What to do
000	Success	No action. Store the JobId and MessageId so you can match the delivery report later.
001	Login details cannot be blank	Pass APIKey on every call. Check that your code is not dropping the parameter when the value is read from config or an environment variable.
003	Sender cannot be blank	Add the senderid parameter with a 6-character DLT-approved header mapped to your account.
004	Message text cannot be blank	Send a non-empty text parameter. URL-encode it so characters such as & and # do not cut the value short.
005	Message data cannot be blank	For JSON or bulk calls, include the message array with at least one number and text pair.
006	Generic error	Retry once after a short wait. If it repeats, send the full request (with the API key masked) and the response to support.
007	Username or password is invalid	Copy the APIKey again from API Settings in the panel. Remove stray spaces and regenerate the key if it may have leaked.
008	Account not active	The account is inactive or expired. Contact support or your account manager to activate it.
009	Account locked	The account has been locked. Contact your account manager to find out why and to unlock it.
010	API restriction	API access is not enabled for this account or route. Ask support to enable API sending.
011	IP address restriction	IP whitelisting is on and the request came from another IP. Add your server's public IP in the panel or remove the restriction.
012	Invalid length of message text	The text is longer than allowed. Shorten it, or check that a Unicode message is flagged correctly (70 characters per part instead of 160).
013	Mobile numbers not valid	Use the country code plus the number (for India, 91 followed by 10 digits) with no +, spaces or leading zero. Separate multiple numbers with commas.
014	Account locked due to spam message	Sending was stopped because of content flagged as spam. Contact support, review the content and send only DLT-approved templates.
015	Sender ID not valid	The header is not approved on DLT or not mapped to your account. Check the header and the PE-TM chain in your DLT portal and the panel.
017	Group ID not valid	The group ID does not exist in your panel account. Fetch the correct ID from the contacts or groups section.
018	Multi message to group is not supported	Send one text to a group, or use the bulk JSON call when every number needs a different message.
019	Schedule date is not valid	Use the documented date-time format and a future time. Check your server's time zone against IST.
020	Message or mobile number cannot be blank	Every entry in the request needs both a number and a message.
021	Insufficient credits	Your Pay As You Go balance is too low for this send. Recharge, then retry. Call GetBalance before large campaigns.

Code	Meaning	What to do
022	Invalid JobId	The JobId does not belong to this account or is mistyped. Use the JobId exactly as returned by the Send SMS response.
023	Parameter missing	A required parameter is absent. Compare your call with the parameter table in the developer docs (APIKey, senderid, channel, DCS, flashsms, number, text, route, EntityId, dlttemplateid).
024	Invalid template or template mismatch	The text does not match the approved DLT template. Check spaces, punctuation, line breaks, variable values and the dlttemplateid.
025	{Field} can not be blank or empty	The field named in the message is empty. Fill it in, or remove it if it is optional.
026	Invalid date range	The from date must be before the to date, and both must use the documented format.
027	Invalid optin user	The number has not opted in for this route. Collect and record consent before sending on an opt-in route.

URL encoding

Character	Encoded
space	%20
!	%21
#	%23
\$	%24
%	%25
&	%26
'	%27
+	%2B
/	%2F
?	%3F

8. Voice API

Authenticate with HTTP Basic auth (username:password).

Single call

POST <https://vapi.msgatewayhub.com/tts/3/single>

Parameter	Type	Required	Description
from	string	Yes	Caller ID in E.164 format without +, e.g. 919999999999.
to	string	Yes	Destination number in E.164 format.
text	string	No*	Text to speak, up to 1400 characters. *Send text or audioFileUrl.
language	string	No	Language code, default en . See voice languages.
voice.name	string	No	Voice, e.g. Joanna, Aditi, Ravi, Heera.
audioFileUrl	string	No*	Public URL of a wav/mp3/ogg file (max 4 MB), used instead of text.

cURL

```
curl -X POST "https://vapi.msgatewayhub.com/tts/3/single" \
-u USERNAME:PASSWORD \
-H "Content-Type: application/json" \
-d '{
  "from": "919999999999",
  "to": "916666666666",
  "text": "Your appointment is confirmed for tomorrow at 11 AM.",
  "language": "en",
  "voice": { "name": "Joanna", "gender": "female" }
}'
```

Python

```
import requests

payload = {
  "from": "919999999999",
  "to": "916666666666",
  "text": "Your appointment is confirmed for tomorrow at 11 AM.",
  "language": "en",
  "voice": { "name": "Joanna", "gender": "female" }
}
r = requests.post("https://vapi.msgatewayhub.com/tts/3/single",
                  headers={"Authorization": "Basic BASE64(username:password)", "Content-Type": "application/json"},
                  json=payload, timeout=30)
print(r.status_code, r.json())
```

Response

```
{
  "messages": [
    {
      "to": "916666666666",
      "status": { "groupId": 1, "groupName": "PENDING", "name": "PENDING_ENROUTE" },
      "messageId": "2250be2d4219-3af1-78856-aabe-1362af1edfd2"
    }
  ]
}
```

Multiple calls

POST <https://vapi.msgatewayhub.com/tts/3/multi>

Body

```
{
  "messages": [
    {
      "from": "919999999999",
      "to": ["916666666666", "919999999998"],
      "audioFileUrl": "https://example.com/media.mp3"
    },
    {
      "from": "919999999999",
      "to": ["916666666666"],
      "text": "Hello from SMSGatewayHub",
      "language": "en",
      "voice": { "name": "Joanna", "gender": "female" }
    }
  ]
}
```

Advanced options

POST <https://vapi.msgatewayhub.com/tts/3/advanced>

Parameter	Type	Required	Description
bulkId	string	No	Your identifier for the bulk request.
speechRate	double	No	Playback speed 0.5 to 2.0 (default 1).
notifyUrl	string	No	Webhook URL for delivery reports.
record	boolean	No	Record the call (true/false).
ringTimeout	int	No	Ring duration in seconds before hang-up (default 45).
machineDetection	string	No	hangup or continue (billed additionally).
retry.maxCount	int	No	Maximum retry attempts (up to 4).

Call transfer on any DTMF

```
[
  { "if": "anyDtmf", "transferTo": "919999999999", "callTransferMaxDuration": 10 }
]
```

Voice reports

GET <https://vapi.msgatewayhub.com/tts/3/reports>

Parameter	Type	Required	Description
bulkId	string	No	Filter by bulk request ID.
messageId	string	No	Filter by message ID.
limit	int	No	Maximum reports returned (default 50).

Each report is returned once; store it or use notifyUrl webhooks.

Voice languages

Language	Code	Female	Male
English (India)	en-in	Aditi, Heera (default), Priya, Raveena	Ravi
Hindi	hi	Aadita (default), Kalpana	Hemant
English (US)	en	Joanna (default), Salli, Kendra, Ivy	Matthew, Justin

Missed call webhook

Your URL is called with these placeholders when a missed call arrives:

```
https://yourdomain.com/handler.php?who=%who&ChannelID=%channel&Circle=%circle&Operator=%operator  
&DateTime=%time
```

Placeholder	Value
%who	Caller's phone number
%channel	Your toll-free or DID number that received the call
%circle	Telecom circle of the caller
%operator	Caller's operator (Jio, Airtel, Vi, BSNL)
%time	Date and time of the call