

Axle BD SMS API Documentation

Version: 1.0

Base URL: <https://axlebd.com/sms/smsapiv3>

Protocol: HTTPS

Methods: GET / POST

Response Format: JSON

Encoding: UTF-8

1. Overview

Axle BD SMS API allows your application, website, ERP, CRM, e-commerce platform, or other software to send SMS through a simple REST API.

Your application only needs to communicate with:

<https://axlebd.com/sms/smsapiv3>

API Flow

Your Application



Axle BD SMS API



SMS Gateway



Mobile Network



Recipient



You do **not** need to integrate the underlying SMS gateway directly.

2. Authentication

Every SMS request requires an API key.

Parameter:

apikey

Example:

apikey=YOUR_API_KEY

For JSON requests, both of the following are accepted:

"apikey": "YOUR_API_KEY"

or:

"api_key": "YOUR_API_KEY"

Security

Keep your API key private.

Do not:

- Publish the API key on GitHub
- Put it inside frontend JavaScript
- Share it publicly
- Include it in mobile-app source code where possible

For server-side applications, store the API key in environment variables or a secure configuration file.

3. Check SMS Balance

Endpoint

GET <https://axlebd.com/sms/smsapiv3>

Parameters

Parameter	Required	Description
action	Yes	balance or getbalance
apikey	Yes	Your Axle BD API key

Example

https://axlebd.com/sms/smsapiv3?action=balance&apikey=YOUR_API_KEY

Response

```
{
  "response": "1234.56"
}
```

The value of **response** represents your current SMS balance according to your account.

4. Send Single SMS GET

Endpoint

GET <https://axlebd.com/sms/smsapiv3>

Parameters

Parameter	Required	Description
apikey	Yes	API key
sender	Yes	Approved Sender ID
msisdn	Yes	Recipient mobile number
smstext	Yes	SMS message
type	No	Use long for long SMS
smsformat	No	Use 8 for Unicode SMS

Example

https://axlebd.com/sms/smsapiv3?apikey=YOUR_API_KEY&sender=xxxxxxxxxxxx&msisdn=xxxxxxxxxxxx&smstext=Hello%20from%20Axle%20BD

Successful Response

The API returns the SMS gateway response.

Example:

```
{
  "response": [
    {
      "status": 0,
      "id": 296334,
    }
  ]
}
```

```
        "msisdn": "xxxxxxxxxxx"
    }
  ]
}
```

5. Unicode / Bangla SMS

For Bangla or other Unicode messages, use:

smsformat=8

Example

https://axlebd.com/sms/smsapiv3?apikey=YOUR_API_KEY&sender=xxxxxxxxxxxx&msisdn=xxxxxxxxxx&smstext=আপনার%20কৃষি%20পরামর্শ&smsformat=8

Important

Always URL-encode the SMS text when using GET.

For production applications, POST/JSON is recommended instead of manually constructing a GET URL for Bangla messages.

6. Long SMS

For long messages, specify:

type=long

Example

https://axlebd.com/sms/smsapiv3?apikey=YOUR_API_KEY&sender=xxxxxxxxxxxx&msisdn=xxxxxxxxxx&smstext=YOUR_LONG_MESSAGE&type=long

The SMS may be divided into multiple SMS parts according to message length and encoding.

7. Bulk SMS GET

Multiple mobile numbers can be supplied in the `msisdn` parameter.

Example

`https://axlebd.com/sms/smsapiv3?apikey=YOUR_API_KEY&sender=xxxxxxxxxxxx&msisdn=xxxxxxxxxx,017XXXXXXXXX,019XXXXXXXXX&smstext=Hello%20from%20Axle%20BD`

Parameters

apikey
sender
msisdn
smstext

Example:

`msisdn=xxxxxxxxxx,01712345678,01912345678`

8. POST Form API

POST requests are recommended for application integration.

Endpoint

POST `https://axlebd.com/sms/smsapiv3`

Content-Type

`application/x-www-form-urlencoded`

Parameters

apikey=YOUR_API_KEY
sender=xxxxxxxxxxxx
msisdn=xxxxxxxxxx
smstext=Hello from Axle BD

cURL Example

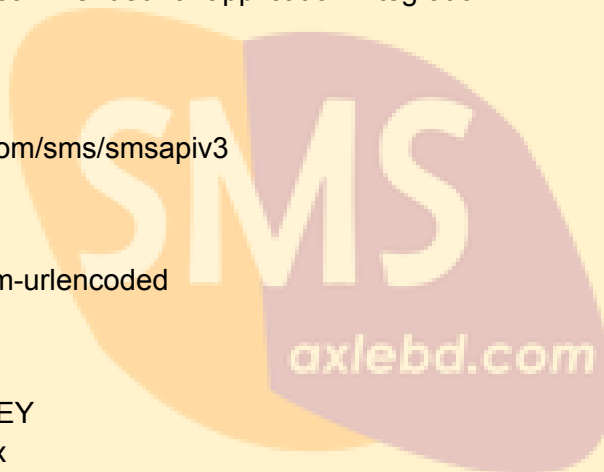
```
curl -X POST "https://axlebd.com/sms/smsapiv3" \  
-d "apikey=YOUR_API_KEY" \  
-d "sender=xxxxxxxxxxxx" \  
-d "msisdn=xxxxxxxxxx" \  
-d "smstext=Hello from Axle BD"
```

9. JSON Single SMS

Endpoint

POST `https://axlebd.com/sms/smsapiv3`

Content-Type



application/json

Request

```
{
  "api_key": "YOUR_API_KEY",
  "senderid": "xxxxxxxxxxxxx",
  "type": "text",
  "scheduledDateTime": "",
  "msg": "Hello from Axle BD",
  "contacts": "xxxxxxxxxxx"
}
```

Parameters

Parameter	Required	Description
<code>api_key</code>	Yes	API key
<code>senderid</code>	Yes	Approved Sender ID
<code>type</code>	Yes	Normally <code>text</code>
<code>scheduledDateTime</code>	No	Scheduled date/time
<code>msg</code>	Yes	SMS message
<code>contacts</code>	Yes	Recipient number

10. JSON Bulk SMS

Multiple recipients can be provided in `contacts`.

Request

```
{
  "api_key": "YOUR_API_KEY",
  "senderid": "xxxxxxxxxxxxx",
  "type": "text",
  "scheduledDateTime": "",
  "msg": "Your order has been confirmed.",
  "contacts": "xxxxxxxxxxx,01712345678,01912345678"
}
```

11. Dynamic SMS API

Dynamic SMS allows you to send different messages to different recipients in a single API request.

This is useful for:

- OTP
- Order notifications
- Customer names
- Payment notifications
- Delivery notifications
- Personalized campaigns

Request

```
{
  "apikey": "YOUR_API_KEY",
  "sender": "xxxxxxxxxxxx",
  "messages": [
    {
      "id": 1,
      "msisdn": "xxxxxxxxxx",
      "smstext": "Dear Customer 1, your order has been confirmed."
    },
    {
      "id": 2,
      "msisdn": "01712345678",
      "smstext": "Dear Customer 2, your payment has been received."
    }
  ]
}
```

A large, semi-transparent watermark is centered over the JSON request. It features the letters 'SMS' in a large, bold, white font. Below 'SMS', the text 'axlebd.com' is written in a smaller, white font. The background of the watermark consists of two overlapping circles, one orange and one purple.

Response

```
{
  "response": [
    {
      "status": 0,
      "cid": 1,
      "sid": 11,
      "msisdn": "xxxxxxxxxx"
    },
    {
      "status": 0,
      "cid": 2,
      "sid": 12,
      "msisdn": "01712345678"
    }
  ]
}
```

Response fields

Field	Description
<code>status</code>	SMS submission status
<code>cid</code>	Customer/client message ID
<code>sid</code>	SMS submission ID
<code>msisdn</code>	Recipient number

12. Sender ID

The `sender` / `senderid` must be an approved Sender ID configured for your account.

Example:

`sender=xxxxxxxxxxxx`

or:

`"senderid": "xxxxxxxxxxxx"`

If the Sender ID is not authorized, the SMS gateway may return an error.

13. Mobile Number Format

Use valid Bangladeshi mobile numbers.

Examples:

`xxxxxxxxxx`
`01712345678`
`01912345678`

or, where applicable:

`88xxxxxxxxxx`
`8801712345678`

Use a consistent format in your application.

14. SMS Length

For standard SMS:

ASCII

Approximately:

160 characters

per single SMS.

Unicode

Approximately:

70 characters

per single SMS.

For longer messages, use:

type=long

Actual SMS-part calculation may vary depending on message encoding and gateway handling.



15. Scheduled SMS

The API supports the `scheduledDateTime` parameter in JSON requests.

Example:

```
{
  "api_key": "YOUR_API_KEY",
  "senderid": "xxxxxxxxxxxx",
  "type": "text",
  "scheduledDateTime": "2026-10-01 10:30:00",
  "msg": "Your scheduled message",
  "contacts": "xxxxxxxxxx"
}
```

Use the date/time format supported by your SMS service configuration.

16. Status Codes

The API may return the following status codes:

Code	Meaning
0	Success
101	Invalid message length
102	Sender ID not valid
103	Authentication failed
104	Invalid user
105	Invalid MSISDN
106	Incorrect API key
107	User suspended
108	IP not allowed
109	API access not allowed
110	DND
111	Spam word detected
1000	Insufficient balance
2000	Destination provider unavailable
2300	Destination route issue
2400	Destination route not permitted
3000	Destination provider unavailable
3300	System error
4000	Destination provider unavailable



17. Successful SMS Response

A successful submission generally contains:

```
{
  "response": [
    {
      "status": 0,
      "id": 296334,
      "msisdn": "xxxxxxxxxxx"
    }
  ]
}
```

The important value is:

status = 0

which indicates successful submission.

18. Error Response

For invalid API requests, Axle BD may return:

```
{
  "status": "error",
  "message": "apikey is required"
}
```

For connection-related problems:

```
{
  "status": "error",
  "message": "Unable to connect to Mother API",
  "curl_errno": 28,
  "curl_error": "Connection timed out"
}
```

19. PHP Example

```
<?php

$apiKey = 'YOUR_API_KEY';

$data = [
    'apikey' => $apiKey,
    'sender' => 'xxxxxxxxxxxxx',
    'msisdn' => 'xxxxxxxxxxx',
    'smstext' => 'Hello from Axle BD'
];

$url = 'https://axlebd.com/sms/smsapiv3';

$ch = curl_init($url);

curl_setopt_array($ch, [CURLOPT_POST => true, CURLOPT_POSTFIELDS => http_build_query(
    $data),
    CURLOPT_RETURNTRANSFER => true,
    CURLOPT_HTTPHEADER => [
        'Content-Type: application/x-www-form-urlencoded'
    ]
]);

$response = curl_exec($ch);

curl_close($ch);

echo $response;
```

20. PHP JSON Example

```
<?php

$apiKey = 'YOUR_API_KEY';

$data = [
    'api_key' => $apiKey,
    'senderid' => 'xxxxxxxxxxxxx',
    'type' => 'text',
    'scheduledDateTime' => '',
    'msg' => 'Hello from Axle BD',
    'contacts' => 'xxxxxxxxxxx'
];

$ch = curl_init('https://axlebd.com/sms/smsapiv3'); curl_setopt_array($ch, [
```

```

CURLOPT_POST => true,
CURLOPT_POSTFIELDS => json_encode(
    $data,
    JSON_UNESCAPED_UNICODE
),
CURLOPT_RETURNTRANSFER => true,
CURLOPT_HTTPHEADER => [
    'Content-Type: application/json',
    'Accept: application/json'
]
]);

$response = curl_exec(ch);

curl_close($ch);

echo $response;

```

21. JavaScript / Node.js Example

```

const response = await fetch(
    "https://axlebd.com/sms/smsapiv3",
    {
        method: "POST",

        headers: {
            "Content-Type": "application/json"
        },

        body: JSON.stringify({
            api_key: "YOUR_API_KEY",
            senderid: "xxxxxxxxxxxx",
            type: "text",
            scheduledDateTime: "",
            msg: "Hello from Axle BD",
            contacts: "xxxxxxxxxx"
        })
    }
);

const result = await response.json();

console.log(result);

```

22. Python Example

```
import requests

url = "https://axlebd.com/sms/smsapiv3"

data = {
    "api_key": "YOUR_API_KEY",
    "senderid": "xxxxxxxxxxxxx",
    "type": "text",
    "scheduledDateTime": "",
    "msg": "Hello from Axle BD",
    "contacts": "xxxxxxxxxxx"
}

response = requests.post(
    url,
    json=data,
    timeout=60
)

print(response.json())
```

23. WordPress / WooCommerce Integration

The API can be integrated with:

- WordPress
- WooCommerce
- Laravel
- CodeIgniter
- Core PHP
- Node.js
- Python
- Java
- .NET
- Mobile applications
- ERP
- CRM
- POS
- Custom software

For WooCommerce, typical events can include:

Order Created
Order Processing
Order Completed

Order Cancelled
Order Refunded
Order Failed

Example SMS:

Dear {customer_name}, your order #{order_id} has been confirmed.

Your application should replace the variables before sending the API request.

24. Recommended Integration Method

For production applications, we recommend:

POST + JSON

instead of GET.

Recommended:

POST

<https://axlebd.com/sms/smsapiv3>

with:

Content-Type: application/json

Advantages:

- Better support for Bangla/Unicode
- No long query strings
- Better privacy
- Easier application integration
- Easier bulk/dynamic SMS handling



25. API Endpoint Summary

Function	Method	Endpoint
Balance	GET	/sms/smsapiv3?action=balance
Balance	GET	/sms/smsapiv3?action=getbalance
Single SMS	GET	/sms/smsapiv3
Bulk SMS	GET	/sms/smsapiv3
Single SMS	POST	/sms/smsapiv3
Bulk SMS	POST	/sms/smsapiv3
Dynamic SMS	POST JSON	/sms/smsapiv3
Unicode SMS	GET/POST	/sms/smsapiv3
Long SMS	GET/POST	/sms/smsapiv3

26. Quick Test

Balance

GET [/sms/smsapiv3?action=balance&apikey=YOUR_API_KEY](/sms/smsapiv3?action=balance&apikey=YOUR_API_KEY)

Single SMS

GET

[/sms/smsapiv3?apikey=YOUR_API_KEY&sender=YOUR_SENDER&msisdn=018XXXXXXX&smstext=Hello](/sms/smsapiv3?apikey=YOUR_API_KEY&sender=YOUR_SENDER&msisdn=018XXXXXXX&smstext=Hello)

Unicode

GET

[/sms/smsapiv3?apikey=YOUR_API_KEY&sender=YOUR_SENDER&msisdn=018XXXXXXX&smstext=আপনার%20বার্তা&smsformat=8](/sms/smsapiv3?apikey=YOUR_API_KEY&sender=YOUR_SENDER&msisdn=018XXXXXXX&smstext=আপনার%20বার্তা&smsformat=8)

JSON

```
{
  "api_key": "YOUR_API_KEY",
  "senderid": "YOUR_SENDER",
  "type": "text",
  "scheduledDateTime": "",
  "msg": "Hello",
  "contacts": "018XXXXXXX"
}
```

27. Important Notes

1. **Never expose your API key publicly.**
2. Only use an approved Sender ID.
3. Ensure recipient numbers are valid.
4. URL-encode GET parameters.
5. Use JSON POST for Bangla/Unicode and production integrations.
6. Check **status: 0** for successful SMS submission.
7. Maintain sufficient SMS balance.
8. Do not repeatedly retry requests without checking the response, as this may result in duplicate SMS.
9. Keep API credentials on your backend rather than frontend/mobile client code.
10. API availability depends on the upstream SMS gateway and network conditions.

Customer API Base URL

Production API:

<https://axlebd.com/sms/smsapiv3>

API Provider: Axle BD

API Version: v1.0

Protocol: HTTPS

Format: JSON / HTTP POST / HTTP GET

