

V-2.1

API Integration KIT



www.smsalert.co.in

Cozy Vision Technologies Pvt. Ltd.

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Required Environment

In order to use the HTTP based API, you will need to have a system that has internet connectivity. This connectivity may be direct to the internet or via a firewall or proxy server. Additionally, if anyone wish to receive delivery reports (DLRs), then one must have a web server that is able to receive incoming requests from the Internet. This web server does not necessarily have to be running on the same machine that is sending messages to us.

Supported Character Sets GSM 03.38 Encoding

The standard SMS mobile-phone character set is used universally to send text messages. The standard character set allows upto 160 characters, and includes few Roman alphabet and most common accented forms, certain special characters, and few Greek alphabets. It includes the following characters:

```
@£\$/€èéùìòç\nøø\rÅå?_F"?O??ST?ÆæßÉ!\ "#%&'()*+,-./0123456789:;<=>?;ABCDEFGHIJKLMN OPQRSTUVWXYZ?ÖÑÛÜ§¿abcdefghijklmnopqrstuvwxyzöñüàäÄ{}~[]|
```

Note: All extended characters will take two characters to send. Extended characters are:

```
£¥èéùìòçøøÅåΔΦΓΛΩΠΨΣΘΞÆæßÉıİÄÖÑÛÜ§¿äöñüà
```

Also, extended character like € takes three characters to send.

Authentication

All requests are secured through BASIC authentication via API Key (apikey). An additional level of protection is provided where API key can be configured to accept requests from a specific IP Address only.

SSL Enabled API Triggering

These APIs has been designed to allow client to access them using an SSL Enabled connection for added security. To trigger API on an SSL enabled connection, one must enter the URL beginning with https:// instead of http://.

Our API supports both HTTP and HTTPS. Using HTTPS to encrypt all requests through SSL is recommended, but if you're using a client and tool that's not set up to make SSL requests, one can use HTTP also.

Input Restrictions

It can be used either in the form of a HTTP POST or HTTP GET. We recommend POST for larger data transfer and data security. All calls to the API must be URL-encoded. The parameter variables are case sensitive. Also, recommended to use the POST method for error free submission due to URL limitations.

Send an SMS

To send an SMS using the HTTP API, the following URL format is used:

```
http://www.smsalert.co.in/api/push.json?apikey=<apikey>&sender=<senderid>&mobile no=<mob>&text=<text>
```

API Parameter Specifications

The API parameter specifications are described in the following sections.

Mandatory Parameters

The mandatory parameters in the HTTP API are tabulated below:

<u>Name</u>	<u>Parameter</u>	<u>Description</u>
API Key	apikey	API Key generated from your SMS account
Sender Id	sender	Sender ID assigned to your account
Mobile Number	mobilen	Mobile number to which the SMS is to be sent. The destination mobile number can be with or without 91. Also provide multiple numbers in comma separated format.
Text	text	Message to be sent in url-encoded format

Optional Parameters

The optional parameters in the HTTP API are tabulated below:

<u>Name</u>	<u>Parameter</u>	<u>Description</u>
Route	route	System name of the route (can be obtained from API Builder)
Schedule	schedule	Date and time for scheduling an SMS (Format: YYYY-MM-DD HH:MM:SS)
Dlr url	dlrurl	Call back delivery report url(url encoded format)
Reference	reference	Reference number for each message separated by comma

Cancel Schedule

An API can also be used to cancel scheduled sms in your account which can be in the following format:

```
http://www.smsalert.co.in/api/cancelschedule.json?apikey=<apikey>&batchid=<batchid>
```

API Parameter Specifications

The API parameter specifications are described in the following sections.

Mandatory Parameters

The mandatory parameters in the HTTP API are tabulated below:

<u>Name</u>	<u>Parameter</u>	<u>Description</u>
API Key	apikey	API Key generated from your SMS account
Batch Id	batchid	Batch Id of the scheduled sms, received while sending the sms through API

Edit Schedule

An API can also be used to edit scheduled sms in your account which can be in the following format:

```
http://www.smsalert.co.in/api/modifyschedule.json?apikey=<apikey>&batchid=<batchid>&schedule=<schedule>
```

API Parameter Specifications

The API parameter specifications are described in the following sections.

Mandatory Parameters

The mandatory parameters in the HTTP API are tabulated below:

<u>Name</u>	<u>Parameter</u>	<u>Description</u>
API Key	apikey	API Key generated from your SMS account
Batch Id	batchid	Batch Id of the scheduled sms, received while sending the sms through API
Schedule	schedule	Date and time for updated schedule (Format: YYYY-MM-DD HH:MM:SS)

Balance Check API

An API can also be used to check the credits in your account which can be in the following format:

```
http://www.smsalert.co.in/api/creditstatus.json?apikey=<apikey>
```

API Parameter Specifications

The API parameter specifications are described in the following sections.

Mandatory Parameters

The mandatory parameters in the HTTP API are tabulated below:

<u>Name</u>	<u>Parameter</u>	<u>Description</u>
API Key	apikey	API Key generated from your SMS account

Get Available Sender Id List

An API can also be used to get list of available sender id's in your account which can be in the following format:

<http://www.smsalert.co.in/api/senderlist.json?apikey=<apikey>>

API Parameter Specifications

The API parameter specifications are described in the following sections.

Mandatory Parameters

The mandatory parameters in the HTTP API are tabulated below:

<u>Name</u>	<u>Parameter</u>	<u>Description</u>
API Key	apikey	API Key generated from your SMS account

Get Templates List

An API can also be used to get available list of templates in your account which can be in the following format:

<http://www.smsalert.co.in/api/templatelist.json?apikey=<apikey>>

API Parameter Specifications

The API parameter specifications are described in the following sections.

Mandatory Parameters

The mandatory parameters in the HTTP API are tabulated below:

<u>Name</u>	<u>Parameter</u>	<u>Description</u>
API Key	apikey	API Key generated from your SMS account

Get Group List

An API can also be used to get available list of templates in your account which can be in the following format:

<http://www.smsalert.co.in/api/grouplist.json?apikey=<apikey>>

API Parameter Specifications

The API parameter specifications are described in the following sections.

Mandatory Parameters

The mandatory parameters in the HTTP API are tabulated below:

<u>Name</u>	<u>Parameter</u>	<u>Description</u>
API Key	apikey	API Key generated from your SMS account

Create Group

An API can also be used to create group in your account which can be in the following format:

```
http://www.smsalert.co.in/api/creategroup.json?apikey=<apikey>&name=<group_name>
```

API Parameter Specifications

The API parameter specifications are described in the following sections.

Mandatory Parameters

The mandatory parameters in the HTTP API are tabulated below:

<u>Name</u>	<u>Parameter</u>	<u>Description</u>
API Key	apikey	API Key generated from your SMS account
Group Name	name	Group Name, that you wish to create

Create Contact

An API can also be used to create group in your account which can be in the following format:

```
http://www.smsalert.co.in/api/createcontact.json?apikey=<apikey>&grpname=<group_name>&name=<contact_name>&number=<contact_number>
```

API Parameter Specifications

The API parameter specifications are described in the following sections.

Mandatory Parameters

The mandatory parameters in the HTTP API are tabulated below:

<u>Name</u>	<u>Parameter</u>	<u>Description</u>
API Key	apikey	API Key generated from your SMS account
Group Name	grpname	Group Name, that you wish to create
Contact Name	name	Contact Name of the Contact
Contact Number	number	Contact Number of the Contact

Generate OTP

An API can also be used to send an auto generated OTP code of 3-8 digit long. Below format is used:

```
http://www.smsalert.co.in/api/mverify.json?apikey=<apikey>&sender=<senderid>&mobilenumber=<mobilenumber>&template=<template>
```

API Parameter Specifications

The API parameter specifications are described in the following sections.

Mandatory Parameters

The mandatory parameters in the HTTP API are tabulated below:

<u>Name</u>	<u>Parameter</u>	<u>Description</u>
API Key	apikey	API Key generated from your SMS

		account
Mobile Number	mobilenos	Mobile number to which the SMS is to be sent. The destination mobile number can be with or without 91. Also provide multiple numbers in comma separated format.

Optional Parameters

The optional parameters in the HTTP API are tabulated below:

<u>Name</u>	<u>Parameter</u>	<u>Description</u>
Template	template	template to be used for sending otp, it is mandatory to include [otp] tag in template content
Sender Id	sender	Sender ID assigned to your account, if none specified sms will go from default senderid set for your account

you can also specify the length of the OTP being generated (between 3-8 digits) using the tag [otp length="6"]

Validate OTP

An API can also be used to send an auto generated OTP code of 3-8 digit long. Below format is used:

<http://www.smsalert.co.in/api/mverify.json?apikey=<apikey>&mobilenos=<mob>&code=<otp>>

API Parameter Specifications

The API parameter specifications are described in the following sections.

Mandatory Parameters

The mandatory parameters in the HTTP API are tabulated below:

<u>Name</u>	<u>Parameter</u>	<u>Description</u>
API Key	apikey	API Key generated from your SMS account
Mobile Number	mobilenos	Mobile number to which the SMS is to be sent. The destination mobile number can be with or without 91. Also provide multiple numbers in comma separated format.
Code	code	OTP entered by the user

Sample HTTP Report PULL API URL Format

To check status of any sent SMS campaign, you must have batch id of messages sent in the last 3 days.

The API parameter specifications are described in the following sections.

<http://www.smsalert.co.in/api/pull.json?apikey=<apikey>&batchid=<batchid>>

API Parameter Specifications

The API parameter specifications are described in the following sections.

Mandatory Parameters

The mandatory parameters in the HTTP API are tabulated below:

<u>Name</u>	<u>Parameter</u>	<u>Description</u>
API Key	apikey	API Key generated from your SMS account
Batch Id	batched	Batch Id recived in response to every push request

Obtaining Message Delivery Report (Push)

The URL for retrieving a group PUSH delivery report needs to be defined at the time of sending an sms. API parameters are used in the following format:

```
http://www.smsalert.co.in/api/push.json?apikey=<apikey>sender=<senderid>&mobilen  
o=<mob>&text=<text>&dlrurl=<dlr-url>&reference=<reference>
```

API Parameter Specifications

The API parameter specifications are described in the following sections.

Mandatory Parameters

The mandatory parameters in the HTTP API are tabulated below:

<u>Name</u>	<u>Parameter</u>	<u>Description</u>
API Key	apikey	API Key generated from your SMS account
Route	route	System name of the route (can be obtained from API Builder)
Sender Id	senderid	Sender ID assigned to your account
Mobile Number	mobilen o	Mobile number to which the SMS is to be sent. The destination mobile number can be with or without 91. Also provide multiple numbers in comma separated format.
Text	text	Message to be sent
Dlr url	dlrurl	Call back delivery report url(url encoded format) e.g. http://www.test.com/dlr.php
Reference	reference	e.g. LTXXXXX. Also support comma separated value if multiple mobile number specified

Note:

1. *The reference should be unique for each API request*
2. *Both dlrurl and reference is mandatory to make use of this feature*

The following GET parameter will have to be accepted at your end. The URL that is specified under dlrurl is the URL where the SMS status will be sent back.

In the following example, we are using <http://www.test.com/dlr.php> therefore in this case the report will be

sent back to the URL in the following manner:

<http://www.test.com/dlr.php?msgid=LTXXXX&status=DELIVRD>

The page dlr.php, in this example, will have to accept two values, namely, MSGID and status.

XML Push API Format

To send an SMS using XML API, the following format is used:

```
http://www.smsalert.co.in/api/xmlpush.json?data=<data>
```

Mandatory Parameters

The mandatory parameters in the HTTP API are tabulated below:

<u>Name</u>	<u>Parameter</u>	<u>Description</u>
Data	data	Xml formatted data

Sample XML Data

```
<?xml version='1.0' encoding='ISO-8859-1'?>
<message>
  <user apikey='xxxxxxxxxx' route='xxxxx' />
  <sms text='test sms from xml api'>
    <address from='TESTIN' to='xxxxxxxxxx' />
    <address from='TESTIN' to='xxxxxxxxxx' />
  </sms>
  <sms text='second test sms from xml api'>
    <address from='TESTIN' to='xxxxxxxxxx' />
  </sms>
</message>
```

Create Short URL

An API can also be used to send an auto generated OTP code of 3-8 digit long. Below format is used:

```
http://www.smsalert.co.in/api/createshorturl.json?apikey=<apikey>&url=<url>
```

API Parameter Specifications

The API parameter specifications are described in the following sections.

Mandatory Parameters

The mandatory parameters in the HTTP API are tabulated below:

<u>Name</u>	<u>Parameter</u>	<u>Description</u>
API Key	apikey	API Key generated from your SMS account
URL	url	Long URL that you wish to shorten

Delete Short URL

An API can also be used to send an auto generated OTP code of 3-8 digit long. Below format is used:

```
http://www.smsalert.co.in/api/deleteshorturl.json?apikey=<apikey>&id=<id>
```

API Parameter Specifications

The API parameter specifications are described in the following sections.

Mandatory Parameters

The mandatory parameters in the HTTP API are tabulated below:

<u>Name</u>	<u>Parameter</u>	<u>Description</u>
API Key	apikey	API Key generated from your SMS account
Id	id	Short URL Id that you wish to delete

Sample Codes

If you are looking at any language specific sample codes, please visit our github page at below URL.

<https://github.com/SMSAlert/>

Contact Information

If you have further doubts and require clarification, you can always feel free to contact us. We will be happy to answer any question you may have.

Our contact information is listed below:

Email: support@cozyvision.com

Phone: 080-1055-1055

To raise a support ticket: <http://support.cozyvision.com>

Website: www.smsalert.co.in