



SMS Sending HTTP API

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Overview

This guide provides specifications of the HTTP/HTTPS based API provided by PRP SERVICES PRIVATE LIMITED for the automated sending of SMS via the Internet. This guide is intended for developers planning on integrating their systems with PRP's SMS service. It also provides the information about sending the Unicode, Binary and WAP messages.

Assumptions

This guide assumes that you are familiar with and have experience applying the following technologies and concepts:

- 🌐 HTTP/HTTPS communications with the GET and POST methods for parameter through API
- 🌐 A programming language such as ASP.NET, C# OR LINUX to integrate the HTTP URL with the Application
- 🌐 Application designed in any of the above Language should be capable of capturing the Message ID (MID)

Required Environment

In order to use the HTTP/HTTPS based API, you will need to have a system that has internet connectivity on outbound port 80 (HTTP) or 443 (HTTPS). This connectivity may be direct to the internet, or may be via a firewall or proxy server.

Additionally, should you wish to receive delivery reports (DLRs) from the PRP system, you must have a web server that is able to receive incoming requests from the Internet on either port 80 (HTTP) or 443 (HTTPS). This web server does not necessarily have to be running on the same machine that is sending messages to PRP.

This is one of the simpler server-based forms of communication. 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 names are case sensitive.

PRP API Parameter specification

Whenever the Client Application hits the HTTP URL, it should include the following parameters as per the requirement. The following parameters should be used in the same order as given below to call HTTP API using POST or GET method.

Parameters supported by the API call include:

NAME	PARAMETER	DESCRIPTION	REQUIRED VALUE	DEFAULT TYPE	TYPE
Username	uname	Username assigned to account	Username		Required
Password	pass	Password assigned to the account	Password		Required
SenderID	send	Source address for the msg	Sender ID as required		Required
Destination Number	dest	Destination Address/mobile Number of the message	Destination Mobile No.		Required
Message	msg	Text content of the msg (length should not cross 459 characters if concatenation is on, or 160 characters for 8bit msg; 280 characters for binary and 70 characters for Unicode)	Body of the msg		Required
Priority	priority	The SMSC will process it based on the priority value. If this value is not set in the URL then our application will take the default value set at the account level	1	Account specific	Optional
Validity Period	sctm	It contains the system data and time in which you want to send sms, it must be greater than or equal to current system date and time. for instance if you want to send message now pass current system date and time please mind you date must be in yyyy-mm-dd format and time should be in 24 hours clock format	YYYY-MM-DD HH:MM (2012-04-14 11:22)		Optional

Sample HTTP URL Format

The below HTTP API can be used by Client to send the messages to PRP's Server. A sample of the URL could be in the below format:

API FOR MESSAGE SENDING:

```
http://103.247.98.91/API/SendMsg.aspx?uname=xxxxxxxx&pass=xxxxx&send=xxxxxx&dest=xxxxx  
xxxxx&msg=xxxxxxxx&priority=1&schtm=xxxx-xx-xx xx:xx
```

For Instance with all parameters:

```
http://103.247.98.91/API/SendMsg.aspx?uname=20120003&pass=123456&send=PROMO&dest=98  
35613280&msg=hi&priority=1&schtm=2013-04-14 11:22
```

For Instance without optional parameters (priority & schtm):

```
http://103.247.98.91/API/SendMsg.aspx?uname=20120003&pass=123456&send=PROMO&dest=98  
35613280&msg=hi
```

Note: For every successful hit you will get a message id of 19 characters and for every unsuccessful hit you will get error message with error code of respective error type

Successful Transmission of SMS

For each successful submission, the API would return a unique message ID (MID) for that transaction. The Client's Application should capture the MID and if a Delivery Report (DLR) can be fetched against that MID.

MOBILE_NO-MESSAGE_ID OF 19 CHARACTERS

7837XXXXXX-2013012014401621691

This message ID then can be used to track the status of the message and receive the DLR against this MID through DLR URL.

Error Codes

The following error codes may be displayed while hitting the HTTP API if there is any wrong parameter entered or issue with the Account:

Error Code	Description
0x200	Invalid User Id / Password
0x003	Invalid message. Message does not match with approved template
0x003	Masking not mapped with your account.

About PRP

PRP provides cloud based communication services to enterprises across SMS, Voice, MISSED CALL, IVR and CLOUD PBX SERVICES. Services enabled by APIs can be directly integrated into the customer's applications. SaaS based applications are designed to meet the most prevalent business needs. In addition to these, PRP also allows customization of solutions for business-specific needs, earning itself the status of a specialist in technology solutions. Network-level integration with operators has enabled PRP to pioneer various technological innovations and helped it achieve the highest SLAs and service reliability available today. An intense belief in the potential of cloud communications to innovate and deliver these services in a uniquely simple and integrated way is what the company thrives on, every day.

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Happy Exploring!
Team PRP

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