



Technical Documentation

HTTP Application and Programming Interface SMPP Specifications

Introduction

This document provides developers with instructions for integrating SMS messaging services into various solutions using BUSYBEE HTTP application programming interface (HTTP API). BUSYBEE HTTP API can be used for sending SMS messages, collecting delivery reports, making Network Query (NQ) requests and receiving inbound SMS messages sent from mobile phones. Along with BUSYBEE HTTP API specifications, this documentation also provides BUSYBEE SMPP specifications, including connection to BUSYBEE SMPP server, bind options and specifications for sending number context requests over SMPP. The first chapter thoroughly describes BUSYBEE HTTP API methods, describing methods, URLs and parameters needed as well as providing practical samples.

The following API methods are available:

- Send messages using HTTP, XML and Plain methods are available
- Collect delivery reports – collect XML-formatted delivery reports for sent SMS messages
 - Network Query (NQ) - enables the identification of the network that a mobile phone number belongs to, and the status of a mobile number; includes asynchronous and synchronous number context requests over HTTP
- Receive messages using HTTP GET – collect SMS messages sent by your customers' GSM phones

BUSYBEE ACCESS SMS PORTAL

sms.mybusybee.net or <http://203.124.96.62/app/>

The second chapter describes general BUSYBEE SMPP specifications which can be used by your applications/solutions. Also, it describes how to send number context requests over SMPP protocol, providing samples of delivery reports which contain IMSI, as well as a number of optional parameters depending on your client package.



SMPP Details

Your Configuration is as follows:

| | |
|------------------|---------------|
| GROUP | Smsc |
| Smsc | Smpp |
| Smsc-id | Your SMSC ID |
| Host | 203.124.96.62 |
| Port | 2775 |
| Smsc-username | Your Username |
| Smsc-password | Your Password |
| System-type | SMPP |
| source-addr-ton | 0 |
| source-addr-npi | 0 |
| dest-addr-ton | 0 |
| dest-addr-npi | 0 |
| allowed-smsc-id | YOUR SMSC ID |
| transceiver-mode | TRUE |

HTTP API Details

API Url: [http://203.124.96.62/app/smsapi/index.php?key=< API Key >&type=text&contacts=< Contact No.\(s\) >&senderid=< Sender ID >&msg=< SMS Text >&time=< Schedule Time >](http://203.124.96.62/app/smsapi/index.php?key=< API Key >&type=text&contacts=< Contact No.(s) >&senderid=< Sender ID >&msg=< SMS Text >&time=< Schedule Time >)

API Key: **YOUR GENERATED API KEY**

Contact No.(s): Contact numbers separated by ','(Comma) sign. Enter N digit mobile numbers e.g. '69XXXXXX,67XXXXXX,68XXXXXX' ,Max 1000 Contacts

Sender ID: Approved Sender ID.

SMS Text: Url-encoded SMS text. Must be limited to 740 characters.



FLASH SMS API

API Url: `http://203.124.96.62/app/smsapi/index.php?key=< API Key >&type=flash&contacts=< Contact No.(s) >&senderid=< Sender ID >&msg=< SMS Text >&time=< Schedule Time >`

API Key: **YOUR GENERATED API KEY**

Contact No.(s): Contact numbers separated by ','(Comma) sign. Enter N digit mobile numbers e.g. '69XXXXXX,67XXXXXX,68XXXXXX'; Max 1000 Contacts

Sender ID: **Approved Sender ID.**

SMS Text: Url-encoded SMS text. Must be limited to 740 characters.

```
$message = urlencode($smstext);
```

UNICODE SMS API

API Url: `http://203.124.96.62/app/smsapi/index.php?key=< API Key >&type=unicode&contacts=< Contact No.(s) >&senderid=< Sender ID >&msg=< SMS Text >&time=< Schedule Time >`

Contact No.(s): Contact numbers separated by ','(Comma) sign. Enter N digit mobile numbers e.g. '69XXXXXX,67XXXXXX,68XXXXXX';Max 1000 Contacts

Sender ID: **Approved Sender ID.**

SMS Text: Url-encoded SMS text,Limited to 340. Must be UTF-8 charset and HTML entity decoded. For example, in PHP

```
$message = urlencode(html_entity_decode($smstext,ENT_QUOTES,"UTF-8"));
```

CREDIT BALANCE API

API Url: `API Url: http://203.124.96.62/app/miscapi/< API Key >/getBalance/true/`

DELIVERY REPORTS API

API Url: `http://203.124.96.62/app/miscapi/< API Key >/getDLR/< SMS Shoot ID >`

SMS Shoot ID: Enter the SMS ID returned when submitted SMS via API. It will return an array having mobile numbers and their DLR status.

API Key Retrieval

API Url: `http://203.124.96.62/app/getkey/< Userme >/< Password >/`



XML API

```
<?xml version='1.0' encoding='utf-8?'> <message> <key>DEMO</key>
<to>919830524362+919830524363+919830524364</to> <senderid>BULK SMS</senderid> <text>Hello
World!</text> <type>text</type> <datetime>2014-08-27 01:37:06</datetime> </message>
```

| | |
|-----------|--------|
| To | MSISDN |
| MessageID | String |
| ClientID | String |
| ErrNo | String |
| ErrDesc | String |

Description of Response Parameters:

To: Phone number message was sent to.

MessageID: Unique ID assigned to this message by Clockwork. Every successful message will have a message ID, you will need this ID to match up delivery receipts.

ClientID: Your Client ID, passed back for your reference only. This field is only supplied if the Client ID was specified in the request.

ErrNo: The API Error Code. This parameter will only be populated if an error occurred sending the message.

ErrDesc: A text description of the API error code.

Sending Plain Message

<http://203.124.96.62/app/smsapi/index.php?key=YOURAPIKEY&type=text&contacts=YOURMOBILENUMBERS&senderid=YOURAPPROVEDSENDERID&msg=YOURMESSAGE>

Example:

<http://203.124.96.62/app/smsapi/index.php?key=demoAPIkey&type=text&contacts=639178372000&senderid=BUSYBEE&msg=hello>

Paste this link in to your browser

Sending Message using PHP

Your html form

form.html

```
<form method="post" action="send.php">
Message <textarea name="message"></textarea>
<br>
Mobile Number: <input type="text" name="mobile" value="">
<input type="submit" name="sendSMS" value="Send">
</form>
```

Note: Make sure before submitting the form the mobile number must be start with your country prefix like (*Philippines 63 then the followed mobile numbers 639178372000*)

send.php

```
<?php
If(isset($_POST['sendSMS'])){
$message = $_POST['message'];
$webAPIKey = "YOUR WEB API KEY";
$senderID= "YOUR APPROVED SENDER ID";
$recipient=$_POST['mobile'];
// function for send sms
function sendSingleSMS($recipient, $senderID, $message, $webAPIKey){
$messageLongsms=urlencode($message);
$sendSMS =
file_get_contents("http://203.124.96.62/app/smsapi/index.php?key=$webAPIKey&type=text&contacts=$recipient&senderid=$senderID&msg=".$messageLongsms);
return $sendSMS;
}
// send sms
sendSingleSMS($recipient, $senderID, $message, $webAPIKey);
echo 'message successfully sent';
}
?>
```

Sending Message using XML

```
<?xml version='1.0' encoding='utf-8?'>
<message>
<key>DEMO</key>
<to>639178372000</to>
<senderid>BULK SMS</senderid>
<text>Hello World!</text>
<type>text</type>
<datetime>2014-08-27 01:37:06</datetime>
</message>
```

ERROR CODE

Error responses returned on the HTTP request, messages will not be accepted by BUSYBEE platform.

Below table illustrates possible error responses and their meaning.

| | |
|----------|-----------------------------------|
| 0.0 | Invalid API key or out of credits |
| ERR:2101 | Invalid username and password |
| ERR:2017 | Invalid API Key |

You may contact us for more information.