



HTTP CONNECTION SPECIFICATION

PURPOSE OF DOCUMENTATION

The Purpose of this document is to provide third party integrators and user the complete help about how to use BBN Bulk SMS platform using HTTP specification. This document gives the user complete guide about how to send different text messages from their own website.

VALIDATION OF USER

Before submitting message to BBNSMS Gateway, the gateway needs to authenticate or validate that the request is coming from valid source or not.

This validation is done using following parameters such as :

Domain Name: provided by BBN SMS

Username : Username of the given account

Password : Password of the account.

The username and password is provided by the client during registration for the HTTP API with BBN SMS Gateway.

The client can check for validation by hitting the gateway URL with their respective username/password parameter values.

HTTP URL for User Validation

<http://DomainName/bulksms/login.php?username=xxx&password=xxx>

Response:

Parameter	Return Values
Valid username & password	True
Invalid username & password	False

Example:

<http://www.bbnsms.com/bulksms/login.php?username=drogba@bbnsms.com&password=mypasswd>

The URL would return “true” for valid username & password combination else it will return “false”.

3. Messaging

For sending text message, the gateway requires to be sent various parameters including username & password for validation purposes. All the parameters need to be sent via HTTP protocol using the GET method.

For sending SMS messages the following BBN SMS Gateway URL needs to be accessed with the required parameters:

<http://DomainName/bulksms/bulksms.php?username=xxxx&password=xxxxx&message=xxxxxx&mobile=2348088888888&sender=xxxxxxx>

The following are the parameters required:

Parameters	Description
Domain Name	DomainName provided by BBN SMS
Username	Username created by user to connect to our service
Password	Password to the service
Message	Text Message
Mobile	Destination Mobile Number
Sender	Sender ID of the message

BBN SMS has various SMSC connection which is set automatically while sending messages.

Message parameters in detail.

Example:

<http://www.bbnsms.com/bulksms/bulksms.php?username=drogba@bbnsms.com&password=mypasswd&message=TestMessage&mobile=238088888888&sender=Fumi>

Response:

The response values would depend on the gateway assigned to the customer for sending messages.

Following is the list of values return by the server on submission of sms

Return	Code Description
1800	Request Timeout
1801	Message Sent Successfully
1802	Invalid Username
1803	Incorrect Password
1804	Insufficient Credits
1805	Invalid url Submission
1806	Invalid Mobile
1807	Invalid Sender Id
1808	Invalid Message length

4. Message Parameters In Details

Domain Name (domain name)

User's account on which Domain provided by BBNSMS

Username (Username)

The username parameter value is passed for validation purposes. The username is provided to the client when he registers for HTTP API option for sending SMS messages through the BBN SMS Gateway.

The username (username) parameter is the email address with which you signed up on BBN SMS, with no spaces.

Password Parameter (password)

The password parameter value is also passed in combination with the username for validation purposes. The password is created by the client along with the username when he registers with BBN for sending SMS messages through the BBN SMS Gateway.

Mobile Number Parameter (mobile)

The mobile number parameter refers to the destination mobile number to which the message is to be sent.

However, the mobile number is required to be in a specific format. Any error in this parameter value would lead to non-delivery of the message.

The mobile number should contain only numbers. It must also include the country code at the start beginning.

It should not contain any symbols (+) or zero (0) etc. and it must be a valid mobile number

Message Parameter (message)

The message parameter refers to the actual message that is to be sent to the destination mobile (mobile). The message parameter may consist of up to 160 characters belonging to the following set:

- **A...Z a...z 0...9**
- Blank space
- The meta characters \ (line feed)

Due to restrictions in the HTTP protocol format, the following special characters must be encoded in order not to collide with reserved HTTP characters:

Character must be encoded as:

Character	Hexa-decimal Encoded String
&	%26
+	%2B
%	%25
#	%23
=	%3D

For simple text messages, the message can contain numbers, alphabets, spaces and certain special characters. However, the message can contain a maximum of 160 characters, including spaces.

Sender Id (sender)

The sender parameter refers to the message dispatcher or the From clause (THE SENDER), from whom the message is sent.

The sender can be an eleven character alphanumeric string. The sender Id is an optional clause. In case the sender Id is not specified, BBNSMS is sent as the sender to the destination mobile.

Sender ID can only be made up of alphabets & digits. It cannot contain any special characters such as (-,+) etc.

SMS Examples

Sending single text message

<http://DomainName/bulksms/bulksms.php?username=xxxx&password=xxxxx&message=xxxxxx&mobile=999999999&sender=xxxxxxx>

For example the completed URL is:

<http://www.bbnsms.com/bulksms/bulksms.php?username=drogba@bbnsms.com&password=mypasswd&message=TestMessage&mobile=238088888888&sender=Fumi>

Sending Multiple text message

<http://DomainName/bulksms/bulksms.php?username=xxxx&password=xxxxx&message=xxxxxx&mobile=238088888888,238088888888,238088888888,238088888888,238088888888&sender=xxxxxxx>

The above Url is the basic HTTP BULK link structure where the details about each parameter is given below:

For example the completed URL is:

<http://www.bbnsms.com/bulksms/bulksms.php?username=drogba@bbnsms.com&password=mypasswd&message=TestMessage&mobile=238088888888,238088888888,238088888888,238088888888&sender=Kemi>

Checking Customer Messaging Details

To check the account details use the following link:

<http://DomainName/bulksms/acctbals.php?username=xxxx&password=xxxxx>

For example the completed URL is:

<http://www.bbnsms.com/bulksms/acctbals.php?username=drogba@bbnsms.com&password=mypasswd>

Above link will give total remaining credits

Note: For safety delivery using http protocol we advise that contact numbers are grouped in batches of 100. Developer could create a script to loop until all messages are sent in batches of 100