



# **IntelliSoftware**

## **SMS Gateway - Java Interface**

Version 1.1

Content subject to change

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## 1. Document History

Version	Date	Author	Description
1.0	15/09/2008	Chris Vine	First Release
1.1	27/04/2009	Chris Vine	Updated Company Address

## 2. Java SDK Overview

Using the IntelliSMS Java SMS SDK you can send SMS messages from your Java code. This Java SMS Library is free to download, use and distribute.

### Java Sample:

```
import IntelliSoftware.SMSGateway.SDK.IntelliSMSJavaSDK.*;

IntelliSMS objIntelliSMS = new IntelliSMS();
objIntelliSMS.Username = "MyUsername";
objIntelliSMS.Password = "MyPassword";

objIntelliSMS.SendMessage
( "44771012345,44771023456", "Hello", "SENDER_ID" );
```

### Methods:

<b>SendMessage</b>	Sends a standard SMS text message.
<b>SendWapPushMessage</b>	Sends a WAP PUSH message. WAP PUSH messages can be used to send multimedia content to mobile phones.
<b>SendUnicodeMessage</b>	Sends a Unicode Message.
<b>GetBalance</b>	Obtains the available credits on an account

### Properties:

Username	This is the username of your account
Password	This is the password for your account
MaxConCatMsgs	Maximum number of concatenated SMS messages that will be sent per recipient (Default is 1)

### Secure SSL Connection (HTTPS):

To use a secure internet connection configure the gateway addresses as follows:

```
objIntelliSMS.PrimaryGateway="https://www.intellisoftware.co.uk";
objIntelliSMS.BackupGateway="https://www.intellisoftware2.co.uk";

objIntelliSMS.SendMessage ( .....)
```

## 3. Submitting to our gateway

### 3.1. Send Text Message

**SendStatusCollection SendMessage ( String[] ToList, String Message, String From )** throws **IntelliSMSException**

#### Description:

Sends an SMS message via the Internet Gateway.

#### Parameters:

ToList	Input	String array containing destination phone numbers
Message	Input	The content of the text message
From	Input	This is the source/sender's phone number
SendStatusCollection	Return	Collection containing the send status for each recipient. See <b>SendStatusCollection</b>

#### Exceptions:

<b>IntelliSMSException</b>	Error returned by the IntelliSoftware SMS gateway
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#### Java Sample:

```
import IntelliSoftware.SMSGateway.SDK.IntelliSMSJavaSDK.*;

IntelliSMS objIntelliSMS = new IntelliSMS();
objIntelliSMS.Username = "MyUsername";
objIntelliSMS.Password = "MyPassword";

objIntelliSMS.SendMessage
( "44771012345,44771023456", "Hello", "SENDER_ID" );
```

## 3.2. Send WAP Push Message

**SendStatusCollection SendWapPushMessage ( String[] ToList, String Title, String HRef, String From )** throws **IntelliSMSEException**

### Description:

Sends a WAP PUSH message via the Internet Gateway. WAP PUSH messages can send multimedia content, such as an Image, Wallpaper, Ringtone or a link to WAP website.

### Parameters:

ToList	Input	String array containing destination phone numbers
Title	Input	Display Text for WAP PUSH message
HRef	Input	URL link to resource ( should start with 'http://' or 'https://' )
From	Input	This is the source/sender's phone number
SendStatusCollection	Return	Array containing the send status for each recipient. See <b>SendStatusCollection</b>

### Exceptions:

<b>IntelliSMSEException</b>	Error returned by the IntelliSoftware SMS gateway
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### Java Sample:

```
import IntelliSoftware.SMSGateway.SDK.IntelliSMSJavaSDK.*;

IntelliSMS objIntelliSMS = new IntelliSMS();
objIntelliSMS.Username = "MyUsername";
objIntelliSMS.Password = "MyPassword";

objIntelliSMS.SendWapPushMessage ( "44771012345",
    'The message text',
    'http://www.intellisoftware.co.uk/images/IntelliSMS.gif',
    'SENDER_ID' );
```

### Considerations:

Our gateway will only send one SMS message per submission. Therefore a WAP PUSH message is charged at 1 credit.

An INVALID\_REQUEST will result if the submitted text and href parameters would require 2 SMS messages to be sent. As a guide, the href and text parameters combined should not exceed 114 characters (assuming href starts with 'http://www.')

### 3.3. Send Unicode Message

**SendStatusCollection SendUnicodeMessage ( String[] ToList, String Message, String From )** throws **IntelliSMSEException**

#### Description:

Sends a Unicode SMS message to multiple recipients via the Internet Gateway. The Unicode format is used to send multilingual messages not supported by the standard GSM character set.

See [Unicode Character Codes](#) for more details.

#### Parameters:

ToList	Input	String array containing destination phone numbers
Message	Input	The content of the text message
From	Input	This is the source/sender's phone number
SendStatusCollection	Return	Array containing the send status for each recipient. See <a href="#">SendStatusCollection</a>

#### Exceptions:

<b>IntelliSMSEException</b>	Error returned by the IntelliSoftware SMS gateway
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#### Java Sample:

```
import IntelliSoftware.SMSGateway.SDK.IntelliSMSJavaSDK.*;

IntelliSMS objIntelliSMS = new IntelliSMS();
objIntelliSMS.Username = "MyUsername";
objIntelliSMS.Password = "MyPassword";

objIntelliSMS.SendUnicodeMessage
( "44771012345,44771023456", "Hello", "SENDER_ID" );
```

### 3.4. Get Credit Balance

**int GetBalance () throws IntelliSMSEException**

#### Description:

Obtains the available credits on an account.

#### Parameters:

Available Balance	Return	Number of remaining credits
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#### Exceptions:

<b>IntelliSMSEException</b>	Error returned by the IntelliSoftware SMS gateway
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#### Java Sample:

```
import IntelliSoftware.SMSGateway.SDK.IntelliSMSJavaSDK.*;

IntelliSMS objIntelliSMS = new IntelliSMS();
objIntelliSMS.Username = "MyUsername";
objIntelliSMS.Password = "MyPassword";

int Balance = objIntelliSMS.GetBalance();
```



## 4. Collection

### 4.1. SendStatusCollection

Collection containing **SendStatus** objects for each recipient

#### Properties:

OverallResultCode	Indicates the overall success/failure. See <b>ResultCodes</b>
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#### Java Sample:

```
import IntelliSoftware.SMSGateway.SDK.IntelliSMSJavaSDK.*;

IntelliSMS objIntelliSMS = new IntelliSMS();
objIntelliSMS.Username = "MyUsername";
objIntelliSMS.Password = "MyPassword";

SendStatusCollection SendStatusList = objIntelliSMS.SendMessage
( "44771012345,44771023456", "Hello", "SENDER_ID" );

for ( int nIdx=0; nIdx<SendStatusList.size(); nIdx++ )
{
    SendStatus objSendStatus = SendStatusList.get(nIdx);

    if ( objSendStatus.ResultCode == ResultCodes.OK )
    {
        System.out.println( objSendStatus.To +
            " Sent OK      (" + objSendStatus.MessageId + ")" );
    }
    else
    {
        System.out.println( objSendStatus.To +
            " Sent Failed (" + objSendStatus.ResultCode + ")" );
    }
}
```

### 4.2. SendStatus

Provides the send status for a recipient.

#### Properties:

To	Recipient's phone number that this status report is relevant
MessageId	ID for this message.
ResultCode	Indicates the success/failure of message submission for this recipient. See <b>ResultCodes</b>

## 5. Enumerations

### 5.1. Result Codes

**enum ResultCodes**

**Description:**

An enumeration that indicates the success/failure of a request.

**Values:**

OK	Request was successfully actioned
NoUsername	Username was not supplied (Set Username property)
NoPassword	Password was not supplied (Set Password property)
NoTo	Message recipient(s) not specified
NoText	Message text not specified
LoginInvalid	MsgId parameter was missing
InsufficientCredit	Insufficient credit available to complete the request
GatewayError	An error occurred on remote gateway (please retry later)
InternalError	An error occurred on remote gateway (please retry later)
HTTPConnectionError	Unable to make HTTP connection to the Intellisoftware service
InvalidNumber	The recipient number is invalid
InvalidRequest	The request was invalid
MsgIdInvalid	Supplied Message ID not valid
ParameterMissing	Mandatory parameter is missing
ParameterInvalid	A supplied parameter is invalid
AccountExists	CreateSubaccount - subaccount already exists

## 6. Advanced Features

### 6.1. Send to Distribution Lists (Group Send)

Our gateway allows you to send SMS messages to preconfigured Distribution Lists or Groups. To send to a Distribution List or Group simply insert the Group Name where you would normally place the recipient's phone number. Distribution Lists or Groups are setup in your online account login on the Contacts page.

### 6.2. Reply Tracking

The IntelliSoftware platform provides tracking of SMS replies, allowing you to determine which particular message a mobile user is replying to. When you submit a message to the SMS Gateway you can supply a User Context parameter. When a reply is received, the IntelliSoftware platform will include the User Context parameter when forwarding the message to your server.

The User Context can be supplied to the IntelliSoftware platform in the following ways:

.Net Component	use SendMsgWithUserContext method
COM Component	use SendMessageWithUserContext method
HTTP Interface	add 'usercontext' POST/GET parameter
PHP SDK	use SendMessageWithUserContext method
Java SDK	use SendMessageWithUserContext method

The IntelliSoftware platform will forward the User Context for received messages in the following ways:

HTTP Interface	'usercontext' POST/GET parameter
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