

The best way to use the Red Oxygen API from Java is to use the HTTP interface.

Include the Red Oxygen class in your project and then it's just one line of code to send an SMS message by calling the SendSMS function.

```
int SendSms( String strAccountId,  
            String strEmail,  
            String strPassword,  
            String strRecipients,  
            String strMessage);
```

**Example:**

```
SendSms("CI00001234",  
        "username@company.com",  
        "mypassword",  
        "61409000000",  
        "Hello from Java");
```

**Sending to multiple recipients**

To send to multiple recipients simply separate them by comma's in the strMSISDN parameter.

Parameter	Description
<b>AccountId</b>	This is your AccountId which uniquely identifies your account.  If you are not sure what your AccountId is you can also use your Authorisation code in place of the AccountId.
<b>Email</b>	This is used to identify your user account. It also receives SMS replies as emails to the SMS messages you send.
<b>Password</b>	In this field you must put your password which can be set by your account administrator.  If you have installed OutlookSMS or NotesSMS you may also use your Installation code in place of your password.
<b>Recipients</b>	The destination mobile numbers. Multiple recipients can be specified comma separated.
<b>Message</b>	A single SMS has a maximum length of 160 characters. If the message is greater than 160 characters then multiple SMS will be sent as a concatenated SMS which will result in an additional charge for the additional messages. The maximum length of a message is 765 characters.

For more details see the Red Oxygen API HTTP User Guide.

## Red Oxygen API - Java

```
/*
 * Copyright Red Oxygen 2005
 *
 * Java example code to send an SMS via the Red Oxygen SMS gateway
over HTTP.
 *
 */

import java.io.*;
import java.net.*;
import java.lang.*;

public class RedOxygenSMS
{
    public static String strResponse = "";

    public static int  SendSMS(String strAccountId,String
strEmail,String strPassword,String strMSISDN,String strMessage)
    {
        String  sRequestURL;
        String  sData;
        Integer nResult = -1;

        sRequestURL =
"http://sms1.redoxygen.net/sms.dll?Action=SendSMS";

        try
        {
            sData = ("AccountId=" +
URLLEncoder.encode(strAccountId,"UTF-8"));
            sData += ("&Email=" +
URLLEncoder.encode(strEmail,"UTF-8"));
            sData += ("&Password=" +
URLLEncoder.encode(strPassword,"UTF-8"));
            sData += ("&Recipient=" +
URLLEncoder.encode(strMSISDN,"UTF-8"));
            sData += ("&Message=" +
URLLEncoder.encode(strMessage,"UTF-8"));

            URL urlObject = new URL(sRequestURL);

            HttpURLConnection con = (HttpURLConnection)
urlObject.openConnection();
            con.setRequestMethod("POST");
            con.setDoInput (true);
                con.setDoOutput (true);

            DataOutputStream out;
            out = new
DataOutputStream(con.getOutputStream());
            out.writeBytes (sData);
            out.flush();
            out.close();
        }
    }
}
```

## Red Oxygen API - Java

```
        BufferedReader in = new BufferedReader(new
InputStreamReader(con.getInputStream()));

        String inputLine;
        StringBuffer responseBuffer = new StringBuffer();

        while ((inputLine = in.readLine()) != null)
        {
            responseBuffer =
responseBuffer.append(inputLine);
            responseBuffer =
responseBuffer.append("\n\n\n");
        }

        strResponse = responseBuffer.toString();
        String sResultCode = strResponse.substring(0,4);
        nResult = new Integer(sResultCode);

        in.close();
    }

    catch (Exception e)
    {
        System.out.println("Exception caught sending
SMS\n");
        nResult = -2;
    }
    return nResult;
}

public static void main(String[] args) throws Exception
{
    String strAccountId = "CI00001234"; // Put your
AccountId here
    String strEmail = "youremail@company.com"; // Put
your Email address here
    String strPassword = "yourpassword"; // Put your
Password here
    String strMSISDN = "61407000000"; // Put a
recipient mobile number here
    String strMessage = "Test SMS via Red Oxygen API"; //
Put your SMS message text here
    Integer nResult;

    nResult =
SendSMS(strAccountId,strEmail,strPassword,strMSISDN,strMessage);

    System.out.println("Result Code = " + nResult +
"\n");
    System.out.println("Result Text = " + strResponse +
"\n");
}
}
```