red@xygen API   Using VB.NET

The best way to use the Red Oxygen API from VB.NET 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.

```vbnet
Public Function SendSms(ByVal strAccountId As String,
                        ByVal strEmail As String,
                        ByVal strPassword As String,
                        ByVal strRecipients As String,
                        ByVal strMessage As String) As Integer
```

Example:
```
RedOxygen.SendSms(  "CI00001234",
                    "username@company.com",
                    "mypassword",
                    "61409000000",
                    "Hello from VB.NET");
```

Parameter	Description
AccountId	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.
Email	This is used to identify your user account. It also receives SMS replies as emails to the SMS messages you send.
Password	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.
Recipients	The destination mobile number. Multiple recipients can be specified comma separated.
Message	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.

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

RedOxygen Class

```vbnet
Public Class RedOxygen

Public Shared Function SendSms(ByVal strAccountId As String, ByVal strEmail As String,
ByVal strPassword As String, ByVal strRecipients As String, ByVal strMessage As
String) As Integer
        Dim wc As WebClient = New WebClient
        Dim sRequestData As String
        Dim sRequestURL As String

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

        sRequestData = "AccountId=" + strAccountId + _
                    "&Email=" + System.Web.HttpUtility.UrlEncode(strEmail)+ _
                    "&Password=" + System.Web.HttpUtility.UrlEncode(strPassword)+ _
                     "&Recipient=" + System.Web.HttpUtility.UrlEncode(strMSISDN)+ _
                     "&Message=" + System.Web.HttpUtility.UrlEncode(strMessage)

        Dim postData() As Byte = Encoding.ASCII.GetBytes(sRequestData)
        Dim response() As Byte = wc.UploadData(sRequestURL, postData)

        Dim sResult As String = Encoding.ASCII.GetString(response)

        ' sResult contains the error text
        Dim nResult As Integer = System.Convert.ToInt32(sResult.Substring(0, 4))

        Return nResult
    End Function
End Class
```

Example Call

```vbnet
Module Module1

    Sub Main()

        Dim result As Integer

        result = RedOxygen.SendSms("CI00001234",
                                    "username@company.com",
                                    "MyPassword",
                                    "61409000000,614090000001",
                                    "Hello from VB.NET")

    End Sub

End Module
```

If you get a compile error "error BC30456: 'HttpUtility' is not a member of 'Web'.", then you will need to.

1. Go to menu option Project|Add Reference
2. Choose the .NET tab
3. Select "System.Web.dll" from the list.

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