



General Overview and Objective

The Routesms DLL component is based on **ActiveX technology**.With the help of RoutesmsSmpp.DLL, desktop and web applications can be developed very easily.By implementing various features of RoutesmsSmpp DLL,SMS functionalities can be attached to the applications.RoutesmsSmpp DLL is capable of Sending SMS across the globe. With RoutesmsSmpp DLL anybody can develop personal SMS application/services without using much technical skill as we had given sample application and free source code to implement the RoutesmsSmpp DLL component in applications.You can send SMS supporting Text, Flash, Unicode ,Ringtones functionalities around the world. RoutesmsSmpp will help you to reduce the distance of the mobile world.

RoutesmsSmpp API can do the following things for you:

1. Customized Single SMS
2. Immediate Messaging to groups universally
3. Unicode Support (Arabic, Chinese)
4. Flash Message Support
5. Easy deployment and Immediate integration
6. Fast Delivery

Properties :

Username	Username Example: SMS.Username = "xxxxxxx"
Password	Password Example: SMS.Password = "xxxxxxx"
Sender	Specifies an alphanumeric or numeric originator. It can be a mobile phone number or a short text with a maximum of 11 characters. There is no space in between the characters. Example: SMS.Sender = "RoutesmsSmpp"
Message	Message that will be sent, can be text or Unicode with maximum of 160 characters for text and 276 (69*4) for Unicode messaging. Example: SMS.Message = "Hello World"
MobileNo	This is mobile no to which you are sending the SMS Message with maximum 12 numbers.While Setting mobile property care should be taken and place the MobileCountry Code in front of the mobile number. Example: For India, Country Code = 91 (Mobile Country Code) SMS.MobileNo = "91XXXXXXXXXX"
MessageType	Specifies which message has to be sent depending on the types passes by the Clients Default Values: MessageType=0 (For Text Messages) Example: SMS.MessageType=mTEXT (For Text) SMS.MessageType=mFLASH (For Flash)



SMS.MessageType=mUNICODE (For Unicode)

dlr Specifies delivery report Required or not
theSMS.dlr = yDLR (Yes)
theSMS.dlr = nDLR (No)

Methods:

SendMessage()

Sends a Text/Unicode/Flash/RingTone Message. With maximum of 160 characters.

Return Values: 1701 for success / other than 1701 Failure

Example:

SMS.SendSMS

Status Codes

1701 : Success, Message Submitted Successfully(1701,Messageid)
1702 : Invalid URL Error, This means that one of the parameters was not provided or left blank
1703 : Bad value in username or password field
1704 : Bad value in "type" field
1705 : Bad Message
1706 : Bad Destination
1707 : Bad Source
1708 : Bad value for "dlr" field
1709 : User validation failed
1710 : Unknown Error

Note:-

The RoutesmsSmpp dll which is provided by us is required to be register in your pc before implementing.
Before accessing the properties and method of the component, object of the Component need to loaded into memory. After using the component the object should be closed

Procees of registering dll on your system

- 1) **Download the RoutesmsSmpp dll from www to your local system.**
- 2) **regsvr32 "dllpath\sms.dll"** write this command in Start->Run Dialog box

** dllpath is the path of directory where sms.dll resides



Application Examples –

1) Sending sms using visual basic

Give the reference to RoutesmsSmpp in Visual basic project.

Open a VB Application and Select standard exe project . place command buttons on the VB Form , Name it as cmdsendSMS. Click the sendSMS command button and paste the Code as shown below.

```
Private Sub cmdsendSMS_Click ()
    Dim theSMS As RoutesmsSmpp.SMS
    Set theSMS = New RoutesmsSmpp.SMS
    theSMS.IpAddress="smpp2.routesms.com"
    theSMS.Port="8080"

    theSMS.Username="john"
    theSMS.Password="smith"
    theSMS.Sender = "RoutesmsSmpp"

    theSMS.dlr = yDLR
    theSMS.Message = "Hello world"
    theSMS.MobileNo="91XXXXXXXXXX"
    theSMS.MessageType = mTEXT
    abc = theSMS.sendMessage
    MsgBox abc
    Set theSMS = Nothing
End Sub
```

Sending Unicode message using visual basic

```
theSMS.Message =
"062A06450020062A0633062C064A06440643002006280646062C0627062D00200641064A0020062E062F06
45062900200631063306270626064400200627064406470627062A06410020062706440646064206270644"
theSMS.MessageType = 2
```

2) Sending sms using active server pages

Save the below code with as asp page

```
<%
Set theSMS = CreateObject("RoutesmsSmpp.SMS")
theSMS.IpAddress="smpp2.routesms.com"
theSMS.Username="john"
theSMS.Password="smith"
theSMS.IpAddress="XXX.XXX.XXX.XXX" (provided by RoutesmsSmpp)
theSMS.Port="8080"
theSMS.Sender="RoutesmsSmpp"
theSMS.Message="Hello world"
theSMS.MobileNo="91XXXXXXXXXX"
theSMS.MessageType=mTEXT
abc=theSMS.sendMessage
response.write abc
theSMS.CloseConnection
set theSMS=nothing
%>
```

Sending Unicode message using active server pages

```
<%
theSMS.Message =
"062A06450020062A0633062C064A06440643002006280646062C0627062D00200641064A0020062E062F06
45062900200631063306270626064400200627064406470627062A06410020062706440646064206270644"
theSMS.MessageType = 2
%>
```



3) Sending sms using vb.net

```
Imports RoutesmsSmpp
Public Class Form1
    Private Sub Form1_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles Me.Load
        Dim obj As RoutesmsSmpp.SMS
        obj = New RoutesmsSmpp.SMS
        obj.IpAddress = "smpp2.Routesms.com"
        obj.Port="8080"
        obj.Message = "Hello"
        obj.MessageType = MESSAGE_TYPE.mTEXT
        obj.MobileNo = "919XXXXXXXX"
        obj.UserName = ""
        obj.Password = ""
        obj.Sender = "routesms"
        Dim ReturnVal As String = obj.sendMessage()
        MsgBox(ReturnVal)
        obj = Nothing
    End Sub
End Class
```