

The Red Oxygen DLL provides an interface to send SMS messages from any application or language that can call functions in a DLL.

The DLL in turns uses HTTP to communicate with the Red Oxygen server. If your network uses a proxy server your application will need to call the SetProxyDetails function prior to sending SMS messages.

The DLL function's can be easily called from many languages. Sample code for VB, Delphi or C/C++ are provided.

Installation

Installing the DLL simply requires the redoxygen.dll file be copied to a directory in the PATH or it can be explicitly referenced in any directory with a full path in the declaration.

FUNCTION: SendSMS

The SendSMS function is used to send an SMS message.

C/C++ Declaration

```
int __stdcall SendSMS(char *pszAccountID, char *pszEmailAddress, char *pszPassword, char *pszRecipient, char *pszMessage)
```

Delphi Declaration

```
function SendSMS ( AccountId : String; Email : String; Password : String; Recipient : String; SmsText : String ) : Integer; stdcall; external 'redoxygen.dll';
```

VB Declaration

```
Public Declare Function SendSMS Lib "Redoxygen.dll" (ByVal IpAccountId As String, ByVal IpEmail As String, ByVal IpPassword As String, ByVal IpRecipient As String, ByVal IpMessage As String) As Integer
```

Sending to multiple recipients

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

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 is 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.
Recipient	The destination mobile number. Multiple recipients can be specified comma separated.
SmsText	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.

Red Oxygen API - DLL

FUNCTION: SetProxyDetails

The SetProxyDetails function is only needed if you use a proxy server.

C/C++ Declaration

```
int __stdcall SetProxyDetails(char *pszAddress, int nPort, char *pszUsername, char *pszPassword);
```

Delphi Declaration

```
function SetProxyDetails ( ProxyHost : String; ProxyPort : Integer; Username : String; Password : String ) : Integer; stdcall; external 'redoxygen.dll';
```

VB Declaration

```
Public Declare Function SetProxyDetails Lib "Redoxygen.dll" (ByVal IpProxyHost As String, ByVal nProxyPort As Integer, ByVal IpUsername As String, ByVal IpPassword As String) As Integer
```

Parameter	Description
ProxyHost	IP Address or hostname of the proxy server
ProxyPort	Proxy server port
Username	Proxy server username – Specify Null if no security on proxy server
Password	Proxy server password – Specify Null if no security on proxy server

For more details see the Red Oxygen API documentation on the specific language you prefer to use.