

Introduction

The Red Oxygen API provides developers and system administrators with the ability to easily send SMS from an email, a batch file or directly from the application you have developed.

Languages

C++, VB, VB.NET, C#, Java, Delphi, ASP, Batch file

Interfaces

HTTP, EMAIL (SMTP), DLL, COM, EXE (Command Line)

Red Oxygen has supplied documentation and sample code for all of the above programming languages and interfaces. Look in the respective subdirectories

Authentication

Incoming SMS are authenticated against account information on the Red Oxygen server. Messages may be authenticated via IP address, email address, customer account number or authorisation code. A combination of some of these pieces of information is required to authenticate successfully.

For further information, please see the respective documentation of the interfaces or languages you are sending from or alternatively see the section below on error codes.

Sending SMS

Multiple Recipients

SMS can be sent to multiple recipients in the one transaction. See the individual documentation for details. Please note that there is a daily message limit for users that can impact on sending multiple SMS.

Long SMS

SMS that are greater than 160 characters can be sent by most of the API interfaces, again check documentation for individual details or restrictions.

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.

Proxy Servers

SMS that are sent using one of the HTTP methods can also be sent through a proxy server. Please see the individual documentation for details on how to send messages using a proxy server.

Error Messages

The Red Oxygen server will return errors to the user (or application) upon failed delivery, authentication or after a user's daily limit or credit has been reached. Depending on the method of sending SMS, the error may be returned as a HTTP response or as an email.

Below is a summary of the more common errors returned. More comprehensive error codes and their meanings are available for download from the Red Oxygen web administrator under the Support>>Downloads area.

Error Codes common to all API's

Error Code	Description
2001	The email address and Account Id combination is not recognised.
2006	Not enough information has been supplied for authentication. Please ensure that your Account Id, Email address and Password are supplied in your request.
2015	The destination mobile number is invalid.
2018	You have reached the end of your message credits. You will need to purchase more messages.
2019	You have reached the maximum number of messages that can be sent in a given 24 hour period.
2022	Your password is incorrect.
2045	An AccountID was not supplied but is required to correctly identify your account.
2049	Email address supplied does not match supplied Account Id.