



TextPower

Alert and authenticate using text messaging

# TECHNICAL DOCUMENTATION FOR:

## Interface Summary

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## TextPower Interfaces Summary

TextPower provides a variety of interfaces to its system. These interfaces allow customers to perform all the functions necessary to run SMS programs of all varieties. These interfaces range from no-programming interfaces to simple interfaces for basic campaigns and finally to more complex interfaces that allow customers to create very sophisticated custom applications.

Interfaces are available to send information to customers and receive information from customers. As most information originates from customers, most of the interfaces are from customers to TextPower. Detailed API documents are available for each of the interfaces mentioned below so only the summary will be presented here.

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## Simple Interface

### ***Send Message***

For straightforward sending of single messages to a single number or the sending of a small group of messages to multiple numbers the following interface is provided. The user provides the data required as basic GET or POST parameters.

<http://www.TextPower.com/TPIServices/Sender.aspx>

### ***Receive Message***

To receive a notification that a message has been received, TextPower will optionally POST the details of the incoming information to an address on your server.

Detailed information is found in the document: TextPower-API-MO-MTInterfaceSpecifications

## SOAP/Web Services interfaces

The SOAP interfaces come in 3 packages: Basic, Web Management and Advanced. With SOAP interfaces, each of the functions presented below can be executed as if they are local functions on the customer server. SOAP is a standard for interworking between machines on the network. Basic schemas for the functions on each interface are presented



below in Visual Basic syntax. The beauty of the SOAP standard is that you can interface with these functions in whatever language and development system you employ on your server. The over the wire syntax is completely language independent.

### ***Basic SOAP Interface***

Functions available are:

#### **Send SMS**

```
Function SendSMS(CellNumber As String, msg As String, Carrier As String, Tariff As Integer, Queued As Boolean)
```

#### **Send SMS Full**

```
Function SendSMSFull(CellNumber As String, msg As String, Carrier As String, Tariff As Integer, CarrierLookup As Boolean, ForceOptIn As Boolean, DelaySend As Boolean, SendTime As Date, Queued As Boolean)
```

### ***SendToClients***

The SendToClients function sends an SMS to all SMS Opted In Clients as well as as Email to all Email Opted In Clients. The clients are the complete set of all Cell Numbers and Emails that are Opted In.

```
Function SendtoClients(ByVal msg As String, ByVal DelaySend As Boolean, ByVal SendTime As Date)
```

### ***SendToClientsByTag***

The SendToClientsByTag function allows a “SendToClients” to be tailored to only a defined sub-set of the total client list.

```
Function SendtoClientsByTag(ByVal msg As String, ByVal TagList As String, ByVal DelaySend As Boolean, ByVal SendTime As Date)
```



### ***GetCounts***

Returns the count of all current OptIn Clients and of all subscription packages for this account

```
Function GetCounts()
```

### ***GetAccountData***

Get basic data on your TextPower account.

```
Function GetAccountData()
```

### ***LookupCarrier***

Returns the carrier that provides service to a particular number.

```
Function LookupCarrier(PhoneNumber As String)
```

### ***GetSMSStatus***

GetSMSStatus returns the delivery status of a previously sent message

```
Function GetSMSStatus(MessageID As Integer, QueueID As Integer, DeferID As Integer)
```

## **Web Management Interface**

### ***SendPassCode***

Send a pass code to the user to verify that they are in possession of a particular phone.

```
SendPassCode(CellNumber As String, Carrier As String, ServiceName As String)
```



## ***ManageOptIn***

Manage the OptIn function for a number when subscribing a customer from a web site.

```
Function ManageOptIn(Action As String, CellNumber As String, Carrier As String) As XmlNode
```

## ***SetAutoWelcome***

Establishes the auto-welcome message, which is a message that is sent only the first time that the keyword is sent by the mobile customer to the short code.

```
Function SetAutoWelcome(ByVal Message As String, ByVal OptInLimit As Integer, ByVal Clear As Boolean)
```

## ***SendAutoWelcome***

Sends the auto-welcome message that is established by the “SetAutoWelcome” function.

```
Function SendAutoWelcome(ByVal CellNumber As String)
```

## ***SetOptInTimeout***

The SetOptInTimeout function will automatically release an OptIn after a certain period of time.

```
Function SetOptInTimeout(ByVal CellNumber As String, ByVal Minutes As Integer)
```

## **Advanced SOAP Interface**

### ***GetMOData***

Retrieve MO data for this account. Only user MOs are retrieved. Optin and Help MOs are not retrieved.

```
Function GetMOData(Count As Integer, LastReceiveID As Integer)
```



### ***GetMTData***

Retrieve MT (mobile-terminated messages) data for this account.

```
Function GetMTData(Count As Integer, LastSendID As Integer,  
ReturnMessage As Boolean)
```

### ***GetClientListMembers***

```
Function GetClientListMembers() As DataSet
```

### ***GetSendListMembers***

Retrieve all the members of the given Send List along with their status.

```
Function GetSendListMembers(ListName As String)
```

### ***SendToSendList***

Send a message to all members of the given list.

```
Function SendToSendList(ListName As String, Msg As String, DelaySend As  
Boolean, SendTime As Date)
```

### ***MergeSendList***

Merge new numbers into an existing send list or optionally create a new list.

```
Function MergeSendList(ListName As String, ListDB As DataSet,  
CreateList as Boolean)
```

### ***DeleteSendList***

Delete the named send list and all its members.

```
Function DeleteSendList(ListName As String)
```





### ***ManageSendTags***

The **ManageSendTags** function is one primary way to add or delete Send Tags from a particular cell number in a Client List.

```
Function ManageSendTags (ByVal Command As Integer, ByVal CellNumber As String, ByVal TagList As String)
```

### ***GetSendTags***

The **GetSendTags** function retrieves a dataset with all the Send Tags installed on each number in the Client List.

```
Function GetSendTags ()
```

### ***DeleteSendListMembers***

```
Function DeleteSendListMembers (ListName As String, ListDB As DataSet, DeleteAll As Boolean)
```



## **No Code Applications**

If you do not want to do any coding, TextPower has available a number of standard applications or dash boards that perform various functions. These are all web based applications and no additional charge is incurred for their use.

### ***TextPower Express***

TextPower Express provides an address book and group functions to send messages to a closed group of users. It is primarily targeted at internal corporate emergency alerting applications.

### ***TextPower Communicator***

TextPower Communicator provides interactive conversation ability with a community of users. Targeted at corporations who need to communicate with field service personnel or at radio stations who want listener interactivity.

### ***TextPower Alert Manager***

TextPower Alert Manager provides a complete mobile marketing or alerting function. It supports both SMS and Email and Send Tags.

### ***TextPower Customer Web Site***

The TextPower customer web site provides functions such as bulk sending, changing your messages, reviewing your send and received logs and other functions. Web site access is provided to all general accounts.