

PARANIAL'S SMS GATEWAY

ONLINE HELP

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INTRODUCTION

SMS is catching on as a relatively low-cost easy-to-use solution for businesses to reach out to their customers directly.

Paranial's SMS Gateway is the easy-to-use solution that allows you to send bulk SMS messages to your customers, as well as receive and manage SMS messages sent by customers to you and generate and send automated responses to customer queries.

TECHNICAL OVERVIEW

The SMS Gateway allows a user to manage SMS messages from a desktop or an existing application.

The installable SMS gateway provides functionality to

- Send a single SMS to a mobile phone
- Manage an internal database of SMS Messages and send them in a single batch
- Maintain an external excel file of SMS numbers and messages and send them in a single batch
- Receive and manage received SMS messages in real time
- Set up SMS based queries to allow mobile users to query your application remotely to obtain various customized status etc information

Throughput of approximately 10 messages a minute

ARCHITECTURE





REQUIRED SETUP

The system requires the following minimum setup to be available:

System Requirements

- Windows 95/98/NT/2000
- Pentium 100Mhz or above
- 5MB Free Hard disk space
- 32 MB RAM (128 MB preferred)
- Microsoft Excel (Bulk sending using excel)
- No Internet/Network connection required

Additional Accessories

- Nokia 5110 Handset
- Nokia 5110 Data Cable

INSTALLING PARANIAL'S SMS GATEWAY

The SMS Gateway installation requires running a very simple setup program, which is provided with the CD.

No delays for authorization, registration etc. You can use the above features immediately after installation.

PRODUCT FEATURES

- Send SMS messages to a database of customers.
- Receive replies to outgoing messages, and reply to incoming SMS messages.
- Reports are generated giving the details about all the messages.
- Users with a mobile phone anywhere can query your application using keywords that you can quickly and easily setup. For eg: You can setup a keyword 'TUESDAY' and a corresponding answer 'Trance night DJ Bryan. 10pm onwards'. Users who send 'TUESDAY' as an SMS to your application receive 'Trance night- DJ Bryan. 10pm onwards' as a reply.
- Our SMS Gateway is customizable to add SMS capabilities to almost any kind of application you wish to enable.



НОW ТО...

Connect the Mobile Phone to the computer

You have received along with the software the following accessories:

- 1. Nokia 5110 Hand Set and the Data Cable
- 2. Attach the Data Cable to the Nokia phone and the other end of the cable to the COM port of your computer. Attach to either of the 2 ports i.e. COM1 or COM2, whichever is free
- 3. Check if both the ends are properly attached.
- 4. Start the Paranial's SMS Gateway software and choose the 'Connect to Phone'. If everything is fine then the software should be able to detect the phone.
- 5. If the software does not detect the phone, check the cables again.
- 6. Start the Paranial SMS Gateway application and choose on the Connect to Phone push button.

Send SMS

The Send SMS tab is used for sending single SMS messages.

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		Paranial SMS Gateway	,
ſ	Received SMS	Manage SMS Queries	Reports
$\left[\right]$	Send SMS	Send SMS from File	Send SMS from Database
		Send SMS	
	Mobile Number:		
	Message (Max 160 Chars):		
	Chars typed:	0 Send SMS	
	<u></u>	onnect to Phone E <u>x</u> it	ľ
11/0	4/2002 9:41 PM	onnect to Phone Exit	

Figure 1: Send SMS Screen



DESCRIPTION

Mobile Number:

Enter the mobile number.

Message:

The message which you want to send goes here. The message box only accepts 160 characters, the limitation imposed for a single SMS.

Send SMS:

Choose the button after you have entered the number and the message, make sure that the phone is connected.

Send SMS from File

The Send SMS from File tab is used for sending multiple messages from a Excel File.

Paranial SMS Gateway					
<u>File H</u> elp					
Paranial SMS Gateway					
Received SMS	Manage SMS Queries	Reports			
Send SMS	Send SMS from File	Send SMS from Database			
[] S	Send SMS from Excel File				
Mobile Number	Message				
982101111	What are we doing this christmas				
9821022222	How are you placed this evening?				
9821033333	What came first, the chicken or the egg	1?			
9821044444	We won the game, congrats!!				
9821055555	it is our pleasure to welcome you at ou	r place			
Click on the 'Open File' button and ch	noose an existing excel file that you have	created containing sms			
messages to be sent in a batch.The	se SMS messages will appear in the grid	Review and click 'Send SMS'			
to send out these messages in a sin	gle batch				
Onen File	Class Cassar				
Open File	Liear Screen Seriu :				
Connect to Phone Evit					
11/04/2002 9:42 PM Mob	ile phone not connected				

Figure 2: Send SMS from File Screen

DESCRIPTION

The Screen contains a Data Grid and 3 push buttons, the functionality this screen is as described below:



Excel File:

A template excel file is provided with the software. The file can be found under the following path, "<SYSTEM_ROOT>/Program Files/Paranial/ParanialXLSData.xls". Make sure the 2 columns i.e. the mobile number and the message are filled with data, before operating this screen. Enter multiple mobile numbers and messages and save the file in the same path or any other path of your choosing

Open File:

Choosing this button will bring up the Open Dialog box. Choose the ParanialXLSData.xls, with the required data. Clicking the Open button will populate the data grid with the data from the excel file.

Clear Screen:

This button will clear the data grid.

Send SMS:

After the data grid is populated with the data from the file. Choose this button to send the SMS'es.

Send SMS from Database

The Send SMS from Database tab is used for sending multiple messages from a Database provided with the software.

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Paranial SMS Gateway						
		Received SMS	Manag	e SMS Queries	Reports	
Send SMS		Send SMS	Send SMS from File		Send SMS from Database	
			·			
		Sen	a SMS from L	atabase		
		Sep	arate Messages	O Common	Message	
		Name	Mobile No.	Message		
		Bilkesh	9821011111	Subah jaldi utna hai, a	aur kaam pe jaa⊓a hai	
		Ramthirtha Narayan	9821022222	We have won the 5 k	akh lotto	
		John Doe	9821033333	The stock have gone	up by 5 points	
		Jane Doe	9821044444	This evening we sha	Il meet at the restaurant down the	
	*	Manmohan Kumar Singh	9821055555	The film was very nic	ce, you gotta see it	
					Þ	
Setup messages to be sent in batch here by moving through the grid and adding/editing records. Messages entered in the message column will be sent as an SMS to the correspoding mobile number.(The name column is only for reference and is not used in sending SMS'es) Clear Database Address Book				ng/editing records. espoding mobile (S'es) nd SMS		
_						
Connect to Phone Exit						

Figure 3: Send SMS from Database Screen



DESCRIPTION

This screen is used for sending multiple SMS'es through a database provided with the software. The functionality for using this screen is described below:

Data Grid:

The data grid contains the following columns Name, Mobile Number and Messages. The data grid accesses data from a database provided with the software. All entries, deletions and updations are done in the data grid itself, and the changes are affected real time in the database. The data grid is populated automatically as the application starts. You can navigate inside the Data Grid by using the Tab Key.

Radio Buttons:

Separate Messages:	Select this option if you want to send different messages to different mobile numbers. This will make the Data Grid display all the Name, Mobile Number and Message column. You just have to edit the appropriate columns and then send the SMS'es.
Common Message:	Select this option if you want to send a single message to different mobile numbers. This will make the Data Grid display only the Name and the Mobile Number column and a separate Text Box named Common message for all numbers. Enter your message here and edit the Mobile Number columns and then send the SMS'es.

Common messages for all numbers:

This text box is used for entering a common message for all the Mobile Numbers you wish to send the message to. You have to choose the Common Message Option button before you can enter anything in this text box.

Clear Database:

This button will delete all the values in the database, and make the database empty. Use this button with caution, because, values once deleted cannot be retrieved.

Address Book:

Use this button to access the entries in your Mobile Phone's default address book. A dialog box pops up displaying the list of addresses on your Mobile Phone. You have the option of choosing the numbers you want to send the message to. You can choose one number at a time by choosing the '>' push button or you can choose all the numbers at a time by pressing the '>>' push button. Once done choose the OK button to populate the Data Grid with the Mobile Numbers. Existing numbers in the Data Grid will not be affected as the numbers from the address book will fill in the data grid from the last edited position.



<image of the Address Book Screen>

Figure 4: Address Book

Send SMS:

After the data grid is populated with the data from the file. Choose this button to send the SMS'es.

Receive SMS'es

This screen is used for viewing received SMS'es.

📅 Paranial SM5 Gateway						
<u>File H</u> elp						
Paranial SMS Gateway						
\square	Send SMS Send SMS from File Send SMS from Database					
	Received S	Reports				
Receive SMS						
	Mobile No.	Message	Date - Time			
	+919821051915	This is the way to go	19/03/2002			
	+919821051915	Message 1 here	19/03/2002			
	+919821051915	This is message 2	19/03/2002			
	+919821051915	Message to anil goelji	19/03/2002			
	+919820353861	Yep that was a typo this is the way to GO and not goe	19/03/2002			
	+919820353861	Message to parag ved .Go parag	19/03/2002			
	+919820353861	hi from parag on saturday	30/03/2002			
Double click on a row to reply to an SMS Clear Database Refresh						
<u>Connect to Phone</u> <u>Exit</u> <u>1/04/2002</u> 9:55 PM Mobile phone not connected						

Figure 5: Receive SMS Screen

Description

This screen is for displaying and managing all the SMS'es which are received by the user. A data grid contains the columns Mobile Number, Message and Data Time stamp indicating the date & time of receipt of the SMS. This data in the data grid is saved to the database.

Data Grid:

The data grid contains the following columns Mobile Number, Messages and the Date/Time the message was received. The data grid accesses information from the mobile in real-time and updates the database. As soon as a message is received the grid get updated and also the



database. The data resides in the database till you delete it. A record can be deleted by selecting a row and then pressing the delete button on the keyboard.

Clear Database:

This button will delete all the values in the database, and make the database empty. Use this button with caution, because, values once deleted cannot be retrieved.

Refresh:

The refresh button is used to refresh the data grid.

Reply to received SMS'es

This is screen is used for replying to SMS'es.

🛱 Reply to	5MS		×		
To:	+919821051	915			
Re:	This is the way to go				
Reply Text (Max 160 chars):					
0	Chars	Send SMS	Cancel		
		Senu SIMS	Cancer		

Figure 6: Reply to SMS

Description

When you double click a row in the Received SMS'es data grid, the Reply to SMS dialog box comes up. This is used for replying to any messages. Just enter the Reply Text and click on the Send SMS button to send the SMS. Clicking the Cancel button will exit the dialog box and return to the Replied SMS screen.



Manages SMS Queries

This screen is used for managing SMS Queries.

Se	nd SMS	Send SMS from File	Send SMS from Database
Received SMS		Manage SMS Queries	Reports
	I	Manage SMS Querie	s
Query	Answer		
AR AR	All airplanes (on strike today	
TX	All taxis are b	banned from running on mumbai roads	
BS	All buses will	charge extra from today	
LR	All lorries to c	arry passenger instead of luggage	
Anil:b	Test reply		
TUESDAY	DJ Bryan in F	ull Flow	
WED	Wednesday i	s the night baby	
*			
lsers with a mob eyword e.g. 'CRI is an SMS to the et up as many qu	ile phone anywhere c CKET' and a correspo connected phone will veries as you want.	an query your application using keyword inding Answer e.g. India win Zimbabwe s recieve India win Zimbabwe series 2-0'a	s you have setup here. Enter a series 2-0' Users who send 'CRICKET' as a reply.Move through the grid and

Figure 7: Manage SMS Queries Screen

Description

This screen is used to define and manage queries and answers. Users with a mobile phone anywhere can query your application using keywords you have setup here. Enter a keyword and an answer for e.g.

Query - CRICKET Answer - India win Zimbabwe series 2-0

Users who send 'CRICKET' as an SMS to the connected phone will receive 'India win Zimbabwe series 2-0' as a reply. Move through the grid and set up as many queries as you want.

Data Grid:

The data grid contains the following columns Query and Answer. The data grid accesses data from a database provided with the software. All entries, deletions and updations are done in the data grid itself, and the changes are affected real time in the database. The data grid is populated automatically as the application starts.

You can navigate inside the Data Grid by using the Tab Key.



Reports

This screen is used for printing the different report like Sent SMS'es, Queries SMS'es and Received SMS'es

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Paranial SMS Gateway						
Send SMS	Send SMS from File	Send SMS from Database				
Received SMS	Manage SMS Queries	Reports				
Selection Criteria Sent SMS Queried SMS From Date 1 V Jan V To Date 1 V Jun V	 ○ Received SMS 2002 ▼ 2003 ▼ 	Generate Report Clear Screen Save Report				
Mobile Number	Message	Date 🔺				
+919821051915	this msg is in the recd msg	04/03/20				
9821051915	address book done. am changing something	04/03/20				
9820353861	address book done. am changing something	04/03/20				
9820353861	address book done. am changing something	04/03/20				
+919821051915	Wednesday is the night baby	19/03/20				
9821051915	This is the way to go	19/03/20				
Connect to Phone Exit						
11/04/2002 9:59 PM Mobil	e phone not connected					



Description

Selection Criteria:

Radio Button:You can choose which report to print by the radio buttons
provided. Selecting Sent SMS will print all the SMS'es
which have been sent by you. Selecting Queried SMS
will print all the SMS'es which have been received as a
query. Selecting Received SMS will print all the SMS'es
which have been received.Date:You can choose the date option to print the report for
specified periods. Enter the From Date and the To Date
information.

Data Grid:

The data grid contains the Mobile Number, Message and the Date/Time columns. The information is populated according to the selection criteria.



Generate Report:

After the selection criteria has been made choose the Generate Report to populate the grid.

Clear Screen:

Clears the grid.

Save Report:

You can save the generated report to a file and later print it. The save dialog box is shown and the pre-generated in the following format Report_<date>_<time>.txt is displayed in the name field. Choose this default name or another name and save the report. The default path for saving the report is:

"<SYSTEM_ROOT>/Program Files/Paranial/Reports/"

Uninstall Paranial's SMS Gateway

To remove Paranial's SMS Gateway from your computer and hard disk, click Start / Settings / Control Panel. Then run Add/Remove Programs, select Paranial SMS Gateway, and click the Add/Remove... button. This will completely remove the software from your system.