

# MOBITEK

## SMS WEB PORTAL POWERED BY SMS ENGINE

### MANUAL FOR

### WEB DEVELOPER AND SYSTEM INTEGRATOR

#### **NOTE**

**MOBITEK SMS Web Portal Powered By SMS Engine Edition** is part of the SMS Gateway Development Kit (SMS GDK). SMS GDK is completely free of any registration, licensing or deployment fees. It may be deployed freely for use with any software built by web developer or integrated by system integrator, whether the software is commercial or not. It is given for free when GSM modem is purchased. Therefore, MOBITEK System Sdn. Bhd. does not provide any support nor training to web developer or system integrator (WD/SI) on the use of **MOBITEK SMS Web Portal Powered By SMS Engine Edition**.

#### **INTRODUCTION**

**MOBITEK SMS Web Portal Powered By SMS Engine Edition** is a database based SMS Gateway. When the SMS Web Portal is installed on a web server (either on a intranet or internet environment), end-users can use web browser to access the portal to perform the following tasks:

- to send out SMS
- to check for new/unread SMS
- to view all incoming SMS
- to view all outgoing SMS



#### **FOR WHO?**

**MOBITEK SMS Web Portal Powered By SMS Engine Edition** is suitable for Web Developer or System Integrator who wants:

- to build a web based SMS Gateway similar to GoSMS, Emerge's MobileGATE, mobileExec, SMSAC, and Yahoo SMS Web, for their client.
- to integrate a web based SMS Gateway with their client's web site or web application

#### **BENEFIT**

**Rapid Deployment** – Web Developer or System Integrator can quickly deploy a web based SMS Gateway, integrate it to existing web site, or web application.



**Open Source Code in ASP** – Web Developer or System Integrator can easily modified, and customised the SMS Web Portal.

**Free** – **MOBITEK SMS Web Portal Powered By SMS Engine Edition** does not require any royalty, registration, licensing or deployment fees.

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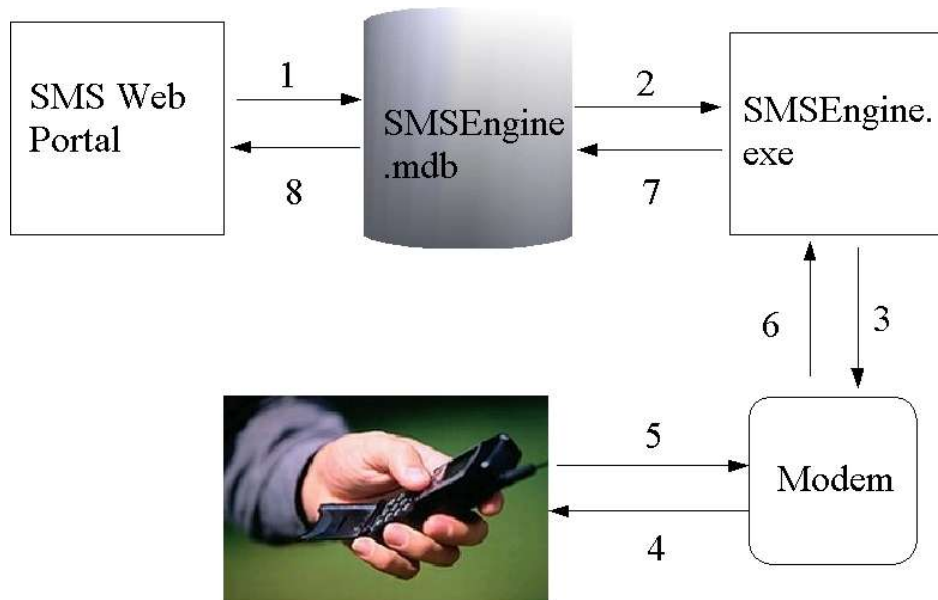
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## SMS WEB PORTAL POWERED BY SMS ENGINE

### HOW DOES THE SMS WEB PORTAL WORKS?



1	User compose a new message on SMS Web Portal. When user click send button, the message will be inserted into SMS Engine database, SMSEngine.mdb (Access), pending to be send out by SMS Engine.
2	When the SMS Engine runs, it retrieves all new messages from database.
3	SMS Engine connects to the modem.
4	SMS Engine sends out new messages to mobile phones.
5	Mobile phone user can send/reply the message.
6	SMS Engine connects to the modem.
7	SMS Engine will store all new incoming SMS into the database.
8	User can view all incoming SMS on the SMS Web Portal.

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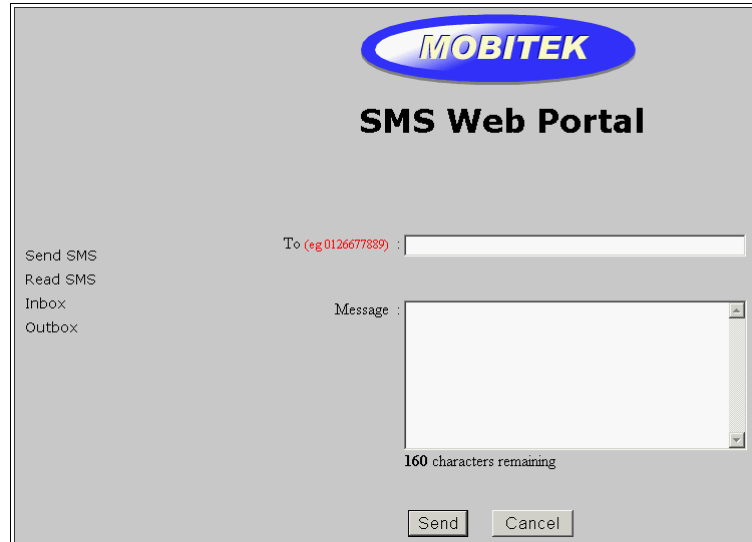
## SMS WEB PORTAL POWERED BY SMS ENGINE

### FEATURES

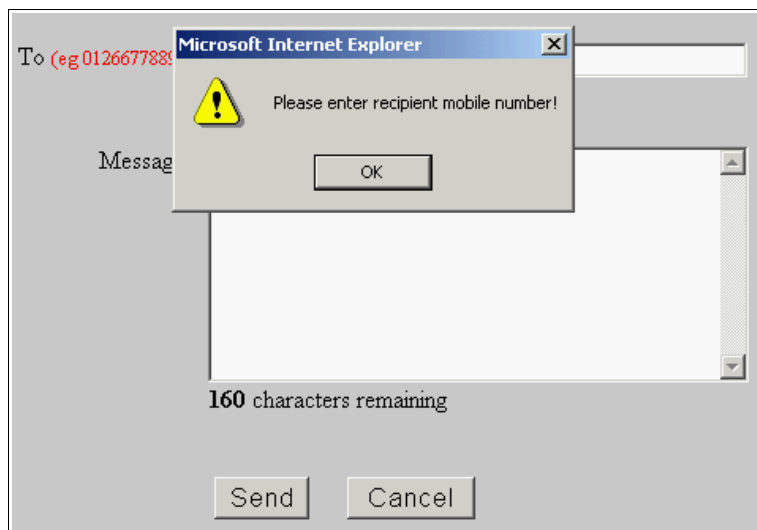
#### 1) Send SMS

1.1) **Send and Cancel** – allow user to send SMS. User have to type the mobile number into the upper textbox. Then, type messages into the larger textbox below. Only 160 characters are allowed. Click send button to send out the SMS or just click cancel button to cancel the message.

1.2) **Validation** – there will be a validation check on send button. It will prompt a message box when user does not key in the mobile number or messages into the textbox.



The screenshot shows the Mobitek SMS Web Portal interface. At the top, there is a blue oval logo with the word "MOBITEK" in white. Below the logo, the text "SMS Web Portal" is displayed in bold black font. On the left side, there are four menu items: "Send SMS", "Read SMS", "Inbox", and "Outbox". The main area contains a "To (eg 0126677889) :" label followed by a text input field. Below this is a "Message :" label followed by a larger text area. At the bottom of the message area, it says "160 characters remaining". At the very bottom, there are two buttons: "Send" and "Cancel".



This screenshot shows the same interface as the previous one, but with a validation error message box overlaid. The message box has a yellow warning icon and the text "Please enter recipient mobile number!". The "To" field in the background is empty, and the "Message" field also appears to be empty. The "Send" and "Cancel" buttons are visible at the bottom.

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1.3) **Display Send Status** – this is the page that display the message after clicking the send button. It will display the receiver's mobile number, message, and date and time queue. The message will be queued into the outbox table, pending to be send out by the SMS Engine.

Send SMS	To : 0163206722
Read SMS	Message : Let's meet up at 3.30pm in your office.
Inbox	Date and Time Queue : 7/6/2005 12:05:02 PM
Outbox	

### 2) Read SMS

2.1) **Read New SMS** – read SMS link at menu is click to read incoming SMS. When the SMS Engine receives incoming SMS, it will automatically insert the new message into the Inbox Table (of the SMSEngine.mdb). The SMS Web Portal will display all the new incoming SMS as shown below.

2 new incoming SMS!						
MsgID	Message	Mobile	Status	StatusID	DateTime	Modem
15	I will be arriving your office at 2pm.	+60163206722	New	0	7/6/2005 9:37:35 AM	1
16	Hello. What time can we meet up?	+60163206723	New	0	7/6/2005 9:37:46 AM	1

2.2) **Display No Message Status** – if there's no incoming SMS, the page will display "There are no new messages" when user click the Read SMS link at menu.

Send SMS	
Read SMS	There are no new messages
Inbox	
Outbox	

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## SMS WEB PORTAL POWERED BY SMS ENGINE

### 3) Inbox

3.1) **Display All Incoming SMS** – all the messages that received will be save in the database (in SMSEngine.mdb). It will display in Inbox table. The status will show 'New' if the SMS haven't read. If the SMS has been read, then the status will automatically change to 'Read'.

MsgID	Message	Mobile	Status	StatusID	DateTime	Modem
15	I will be arriving your office at 2pm.	+60163206722	New	0	7/6/2005 9:37:35 AM	1
16	Hello. What time can we meet up?	+60163206723	New	0	7/6/2005 9:37:46 AM	1
17	Thank you! GoodBye...	+60163206722	Read	0	7/6/2005 9:43:25 AM	1
18	I'm at work now.	+60163206724	Read	0	7/6/2005 9:54:57 AM	1
19	The meeting is at 10am.	+60163206722	Read	0	7/6/2005 10:04:03 AM	1
22	What time are you free?	+60163206722	Read	0	7/6/2005 10:23:46 AM	1
23	Please inform me when you delivered the goods.	+60163206728	Read	0	7/6/2005 11:52:56 AM	1
24	Please inform me when you delivered the goods.	+60163206722	Read	0	7/6/2005 11:53:05 AM	1
25	The lunch time is at 1pm. See you..	+60163206722	Read	0	7/6/2005 11:53:16 AM	1
26	Let's meet up at 3.30pm in your office.	+60163206722	Read	0	7/6/2005 11:57:10 AM	1

1 of 2 [Next](#) [Last](#)

#### **Message**

Incoming SMS will be display in the Inbox table.

#### **Mobile**

Show the mobile number of the sender.

#### **Status**

The messages can have the following status:

Read – message has been read (the status will change from “New” to “Read” when user click “Read SMS” from the navigation bar)

New – message is not read yet

#### **StatusID**

Web developer or system integrator can used this field to set a flag for the message

#### **DateTime**

Show the date and time when the incoming SMS received.

#### **Modem**

The modem that receives the incoming SMS.

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3.2) **Search and Reset** – user can search a specific keyword in column MsgID, Message, Mobile, Status, DateTime, or Modem. The search result will appear as below. The reset button is to reset the table back to original.

MsgID	Message	Mobile	Status	StatusID	DateTime	Modem
16	Hello. What time can we meet up?	+60163206723	Read	0	7/6/2005 9:37:46 AM	1
22	What time are you free?	+60163206722	Read	0	7/6/2005 10:23:46 AM	1

1 of 1

3.3) **Sort** – user can click on the header of the table – MsgID, Message, Mobile, Status, StatusID, DateTime or Modem to sort the table in ascending and descending order.

3.4) **Page Navigation** – 4 buttons are used to view the data in table:

**First** – Go back to the first page

**Previous** – Go to the previous page

**Next** – Go to the next page

**Last** – Go to the last page

3.5) **Page size and Page Count** – Inbox table will display 10 records only as the page size. After each 10 records, it will creates another page. Besides, it will show the number of current page and the total page as well (eg. 1 of 2). The page size is configurable.

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### 4) Outbox

4.1) **Display All Outgoing SMS** – the outgoing SMS will be saved in the database (in SMSEngine.mdb) as 'P' (Pending) status. It will display in Outbox table. When the SMS Engine starts, it will automatically process records with the 'P' status. The status will change to 'S' (Sent) if successfully sent. If the SMS is unsuccessful sent, the status will change to 'F'.

MsgID	Message	Mobile	DateTimeQueue	DateTimeSent	Status	Modem	Lock
136	I will be arriving your office at 2pm.	0163206722	7/6/2005 9:43:48 AM	-	P	-	False
137	Hello. What time can we meet up?	0163206722	7/6/2005 9:44:52 AM	-	P	-	False
138	Thank you! GoodBye...	0163206722	7/6/2005 9:51:15 AM	-	F	1	False
139	I'm at work now.	0163206722	7/6/2005 10:02:45 AM	-	F	1	False
140	The meeting is at 10am.	0163206722	7/6/2005 10:11:54 AM	7/6/2005 9:41:00 AM	S	1	False
144	What time are you free?	0163206722	7/6/2005 10:31:37 AM	7/6/2005 10:31:48 AM	S	1	False
146	Please inform me when you delivered the goods.	0163206722	7/6/2005 11:51:46 AM	7/6/2005 12:00:56 PM	S	1	False
147	Please inform me when you delivered the goods.	0163206722	7/6/2005 11:54:58 AM	7/6/2005 12:01:05 PM	S	1	False
148	The lunch time is at 1pm. See you.	0163206722	7/6/2005 12:00:38 PM	7/6/2005 12:01:17 PM	S	1	False
149	Let's meet up at 3.30pm in your office.	0163206722	7/6/2005 12:05:02 PM	7/6/2005 12:05:11 PM	S	1	False

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### **Message**

SMS that has been sent will display at Outbox table.

### **Mobile**

Show the mobile number of the receiver.

### **DateTimeQueue**

Shows the date and time when the message was queued .

### **DateTimeSent**

Shows the date and time when the message was sent by the SMS Engine.

### **Status**

P – message pending to be send out by the SMS Engine

S – message successfully sent by the SMS Engine

F – message unsuccessfully sent by the SMS Engine

### **Modem**

Modem that sent out the SMS.

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4.2) **Search and Reset** – user can search a specific message in column MsgID, Message, Mobile, DateTimeQueue, DateTimeSent, Status or Modem. It will count and show the number of search results. The reset button is to reset the table back to its original.

MsgID	Message	Mobile	DateTimeQueue	DateTimeSent	Status	Modem	Lock
136	I will be arriving your office at 2pm.	0163206722	7/6/2005 9:43:48 AM	-	P	-	False
137	Hello. What time can we meet up?	0163206722	7/6/2005 9:44:52 AM	-	P	-	False
1 of 1							

4.3) **Sort** – user can click on the header of the table – MsgID, Message, Mobile, DateTimeQueue, DateTimeSent, Status, or Modem to sort the table in ascending and descending order.

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## SMS WEB PORTAL POWERED BY SMS ENGINE

### **SYSTEM REQUIREMENT**

1. Internet Information Server (Windows 2000 Pro / XP Pro / 2000 Server)
2. GSM Modem
3. SMS Engine
4. Internet Explorer (Netscape, Firefox, Opera supported)

MOBITEK SMS Web Portal Powered By SMS Engine Edition is to be installed on a PC with **Internet Information Server** (Windows 2000 Pro / XP Pro / 2000 Server), and with **GSM Modem** connected.



Client PCs with **Internet Explorer** (Netscape, Firefox, Opera supported) on intranet or internet environment with access to the MOBITEK SMS Web Portal Powered By SMS Engine Edition.

### **SUPPORT**

The SMS Portal's ASP code is open source, web developer or system integrator can freely modified, and distribute with their application. Therefore, no support is provided.

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