i4SMS Manual

Programmer's Guide & Reference Manual

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i4SMS

Manual

Edition "05/2005"
This edition applies to the licensed program *i4SMS* Version 05.03 and to all subsequent releases and modifications until otherwise indicated in new editions. Make sure that you are using the latest edition for the level of this product.

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2 Introduction

i4SMS sends from every application, or easy from the commandline of a sms message to any mobile.

You need simply a mail server like MS Exchange Server or Lotus Notes/Domino (e.g.) . Other hardware is not necessary.

3   Installation/ Licensing

3.1   Overview

This Chapter describes how to:

- <u>receive</u> i4SMS and its latest release from the internet.

- <u>install</u> i4SMS on your System.

- <u>license</u> i4SMS on your System.

3.2   Downloading from the Internet

i4SMS can be downloaded from the internet address: http://www.goering.us

The file contains a compressed AS/400- resp. iSeries-Backup-File with all necessary objects for running *i4SMS.*

There are 3 ways to install *i4SMS:*

a) Using the BRAVO Reader from Symtrax.
b) Installation of the SAVF using the INSTALL AID from Bugbusters.
c) Installation of the SAVF using FTP

We recommend option a) because the technical support by Symtrax is very professional and responsive in solving technical problems!

Information about the latest i4SMS release level can be found at http://www.goering.us

3.3   Preparations

1. Extract the (.zip) Download-File

If you do not already have a utility to unzip archived files, we recommend the application Winzip, which can be downloaded from the internet
 http://www.winzip.com
After the extraction, you will have either (separate from the execution) the ASCII file i4SMS.BRV or (using the FTP variant) i4SMS.SAV

2. Verify that the FTP-Service on your AS/400 i.e. iSeries is active or start it.

Use the AS/400-command: STRTCPSVR SERVER(*FTP) to start the service

3. Update

If you want to update your existing *i4SMS* installation, please rename your current library i4SMS to i4SMSOLD.

Use the AS/400-command: RNMOBJ OBJ(i4SMS) OBJTYPE(*LIB) NEWOBJ(i4SMSOLD)

The installation program recognizes this library and adopts all the settings from it.

3.4   BRAVO Reader Version

We recommend the utility BRAVO Reader. The installation is very easy and the technical support by Symtrax is very professional for solving technical problems!

The tool BRAVO Reader can be downloaded from our website http://www.goering.us or directly from Symtrax http://www.eu.symtrax.com (free download!)

After the installation of the BRAVO Reader on your PC, you will need to open the file i4SMS.BRV.
Please fill out the dialog boxes as you normally would.

Please proceed to chapter on Licensing.

3.5   INSTALL AID

To easily transfer *i4SMS* to your System AS/400, we also recommend using the tool INSTALL AID from Bugbusters.

The tool can be downloaded from the internet address http://www.bugbusters.net (free download!).

After the installation on your PC, you have to open the file i4SMS.SAV. Please fill out the dialog boxes with normal values.

Please proceed to the chapter on Licensing.

3.6   Installation - manually operated by FTP

1. Create the backup-file on your System

Use the name i4SMS and the AS/400-command:
    CRTSAVF FILE (QGPL / i4SMS) AUT(*ALL)

Open a DOS Window on your PC and change into the subdirectory which contains the ASCII file i4SMS.SAV (see chapter Installation-Preparations) .

2. Sign on to your System AS/400 resp. iSeries.

*Note that the name "AS400" will be used for the name of your system AS/400 resp. iSeries and the color blue for all responding messages from the FTP.
```
FTP AS400
Connected with AS400
220-QTCP at AS400.FIRMA.DE
220 Connection will close if idle more than 5 minutes.
User (AS400: (none)): USER
331 Enter Password
Password PASSWORD
```
Note that neither the password will be shown nor the cursor will move during entry.
```
230 USER logged on.
```

3. Change into the binary mode

```
FTP> binary
200 Representation type is binary IMAGE.
```

4. Change the naming format

```
FTP> quote site namefmt 1
250 Now using naming format "1".
```

5. Change to the library QGPL of your System AS/400 resp. iSeries

```
FTP> cd_/qsys.lib/qgpl.lib
250 "QSYS.LIB/QGPL.LIB is current library.
```

6. Start the transfer from PC to the AS/400 resp. iSeries

```
FTP> put i4SMS.SAV i4SMS.SAVF (replace)
200 PORT subcommand request successful.
150 Sending file to member i4SMS.SAV in file i4SMS.SAVF
    in library QGPL.
```

Note that the transfer time will take a few minutes.

250 File transfer completed successfully.
FTP 123456789 Bytes sended in 98.76 seconds 54.321
KB/Sec.

7. **Terminate the FTP-Session on the System AS/400 resp. iSeries.**

   FTP> **quit**
   221 QUIT subcommand received.

8. **Close the DOS command entry window.**

The transfer to your System AS/400 resp. iSeries is complete.

9. **Create the *i4SMS*-Objects on the System AS/400 resp. iSeries**

using the AS/400-command: RSTLIB SAVLIB (i4SMS) DEV (*SAVF) SAVF (QGPL/i4SMS)

Please proceed to the chapter on Licensing.

3.7   Licensing

1. Add the library to your Library Searchlist in your Session

Use AS/400-command: ADDLIBLE i4SMS

Installation of *i4SMS* is now complete and, after entering the license key, ready for execution.

2. Call the licensing for *i4SMS*

Use the command: CALL I4SMSSETUP

3. Note the system specifications of your AS/400.

The *i4SMS* licensing display will indicate the

     a) Serial-Number,
     b) Model-Number and
     c) Processor-Number

of your AS/400 resp. iSeries. Please send these system information via e-mail to:
info@goering.de
You will receive your *i4SMS* license key within 24 hours via e-mail.
The quickest solution for license code (to receive license in 30 minutes!) is to enter your system specifications at the download web page at
http://www.goering.de
If you fail to enter the system specifications when downloading, you can revisit the page, enter the system information and select the button "Code Only".

4. Enter your *i4SMS* license key

Use the command :   CALL I4SMSSETUP

Enter the license key and press the **Enter Key**, *i4SMS* is now ready to run. Please note that the program tolerates only three repeated attempts of false license keys entries per day. Further attempts will cause a deactivation of the *i4SMS* licensing for the rest of each day.

4   Quick-Configuration of i4SMS

Hints for the configuration of *i4SMS* are available on the fields level with the function key **F1**.

Following entries are necessary:

- The **mail server** must be denoted, as well as the respective **log-in data**. At **ESMTP**, if necessary, please enter **'Y'**.

- In the field "**eMail Gateway**": Please enter **SMS@GOERING.DE** for your tests. For the real usage please enter the data, which are transmitted from your provider.

- In the field "**Provider**": Please enter **2** .

5   Quick-Start

You can start a test-message with the following command directly in the command-line of your AS/400-system:

I4SMS SMSTO(01724711888) MESSAGE(TEST)

A message will be sended "TEST" to the mobile with the number 01724711888.

6   Hints For The Beginning of i4SMS

i4SMS needs a service provider for changing an e-mail into a sms.

For Germany we recommend **fax.de** as provider.
Full particulars under http://www.fax.de

For Austria its the company **handywelt.at** , which offers a good service.
Full particulars under http://www.handywelt.at

Für worldwide applications we recommend the company **clickatell**, which is very experienced and offers a good service with a reliable pricing: No startup fee, and even up to 10 free sms.
Full particulars under http://www.clickatell.com

7   Configuration of the E-Mail Feature

A precursor for the e-mail-feature is a SMTP resp. ESMTP Server within your TCP-IP-Network. In case you are not sure, ask your network adminstrator.

Proceeding:

1. **Test the TCP/IP-address** from the **server** mentioned above.

2. Verify if, in the TCP/IP-definitions of your AS/400-System, a **host-table-entry for this IP-address is existing**:

    - by means of the command CFGTCP

    - Option 10 - Work with TCP/IP-Host-Table-Entry.

    An entry for the
    <u>IP-Address is existing</u>:   Please make note of the name of the host.

    <u>No IP-Address </u>is available: Create a new entry with the host name. This is not necessary if you have entered a DNS-Server [CFGTCP / 12]

<u>Note:</u> It is possible to work with the IP-Address and not with a name. Please look below for more information on using the IP address....

3.   Now you can start the <u>Set-Up-Program (I4SMSSETUP)</u>

8   Set-Up-Program

- Please enter in the field **"SMTP-Host"** the ascertained hostname. If you don't want to work with a name, please enter a "-" (minus) and then the IP-Address.
  For example: -192.168.129.88

- It is possible, that you can enter a sendor's e-mail address as the default in the field **"eMail Sender"**.
  It is not necessary to make an entry, but if you do so, it ought to be an e-mail address, which already has an account on your SMTP-Server.
  Otherwise, most servers will deny the outgoing email. It is possible to deposit a correlating user <-> e-mail in the file I4MUSP, so it is not necessary to enter the address again for each send-transaction.

- Please maintain the file with UPDDTA I4MUSP or other well-known tools. So that *i4SMS* is using this file, the parameter **"e-mail Sender"** has to be set to *USRDFT .

- The sendor's address is important for the authentication (dependant on the SMTP-Host).
  If the address is not correct, the host will deny access!
  Please note any corresponding error messages caused by using *i4SMS.*

- Some e-mail systems demand authentication via user and password (ESMTP). If your server has such a system, then you have to set **ESMTP = "Y"** and **enter** the **"user"** and the **"password" information encoded**!
  Please contact us if you have need for coding via a small tool we offer.

```
_____

               i4SMS - Configuration            Version 03.04

Language. . . . . :  DE      DE, EN

Basic Setup

SMTP-Host . . . :  auth.mail.onlinehome.de

use ESMTP . . . :  N
ESMTP User . . :  dldlfldfdlftMg==
ESMTP Passw . . :  jadfkdldffl==

SMS Setup

eMail Gatew . . :  xetf@goering.de
eMail Sender. . :  andreas.goering@onlinehome.de
eMail CC to . . :  andreas@goering.de

Provider . . . . :  2
Account  . . . . :  151480
Password . . . . :  PUFFY
APIid    . . . . :  xxapi

_____
```

Parameter descripton:

SMTP-Host   The e-mail hostname. If you don't want to work with a
                       name, please enter a "-" (minus) and then the IP-Address.
                       For example: -192.169.122.1

use ESMTP   **Y** - the server needs a login
                       N - the server doesn't need a login.

ESMTP User   If ESTMP=Y, please insert here the user, coded in
                       BASE64.

ESMTP Password   If ESTMP=Y, please insert here the password, coded in
                       BASE64.

eMail Gatew   Address of the provider - who offers an eMail-2-SMS
                       interface.
                       For (2)fax.de, it is xetf@fax.de
                       For (4)clickatell, it is sms@messaging.clickatell.com

eMail Sender   The address, which shall be used as eMail sender.
                       Some provider requests a fix address.

eMail CC to   Optional, can also set to *NONE

Provider   Depends on the used provider:
                         2 = fax.de
                         3 = handywelt.at
                         4 = clickatell.com

Account   Account id from the provider

Password   Password to the account

APlid   This is an additional parm only needed for clickatell.com

9 Co-Existence of GOERING-Tools

If you are using several products on the same machine you may want to optimize the utilization of common tools.

The AGSPLF and the eMail-Feature are common to most of our products.

So if you want to change entry to I4MUSP only one time for example you may do the following steps:

1. CRTLIB I4COMMON

2. Transfer all Objects I4M* from I4SMS to I4COMMON

3. Transfer all Objects AGSP* from I4SMS to I4COMMON

Then of course you have to add the Library I4COMMON to your library list before starting AGSPLF.