

Installation and Operation Manual

Phonebook Service

Contents

1 General	1
1.1 Abbreviations	1
1.2 Introduction	1
2 System Requirements	1
3 Installation	1
4 Configuration	2
4.1 Connect to a Database	2
4.1.1 Connect to a Customer Database	2
4.1.2 Specify the Customer Database Table	3
4.1.3 Specify IP Port Number	4
4.2 Configure the System DSN	4
4.3 Set the Language	4
4.4 Additional settings	5
4.5 Unite Settings	5
5 Operation	7
6 Document History	7

1 General

This document describes the configuration and operation of a centralised phonebook, the Phonebook Service. Portable Devices with SMS function is required when using the centralised phonebook.

1.1 Abbreviations

DSN	Data Source Name
ESS	Enhanced System Services
IMS2	Integrated Wireless Messaging and Services
LAN	Local Area Network
ODBC	Open Database Connectivity
SMS	Short Message Service
Unite CM	Unite Connectivity Manager

1.2 Introduction

The Phonebook Service makes it possible for a user to access a centralised phonebook (a central telephone number directory) from a Portable Device. The telephone directory may be located in a site database or in a database that can be accessed via ODBC.

By default the Site database in WinBK is used, but the intention is that the customer connects to an existing database that already defines the centralised phonebook.

2 System Requirements

- Windows NT4 Workstation, Service Pack 4 or later, or Windows 2000 Professional, or Windows XP Professional
- 1 Parallel port for the Licence Dongle (if used with a 9dMMS)
- 1 Ethernet Network Adapter

Note: For the PC hardware the minimal requirement for each Windows version applies.

3 Installation

The software Phonebook Service is included in the IMS2/Unite CM delivery. Follow the instructions on the CD.

After the software installation: Configure the Phonebook Service, see chapter [4 Configuration](#) on page 2.

4 Configuration

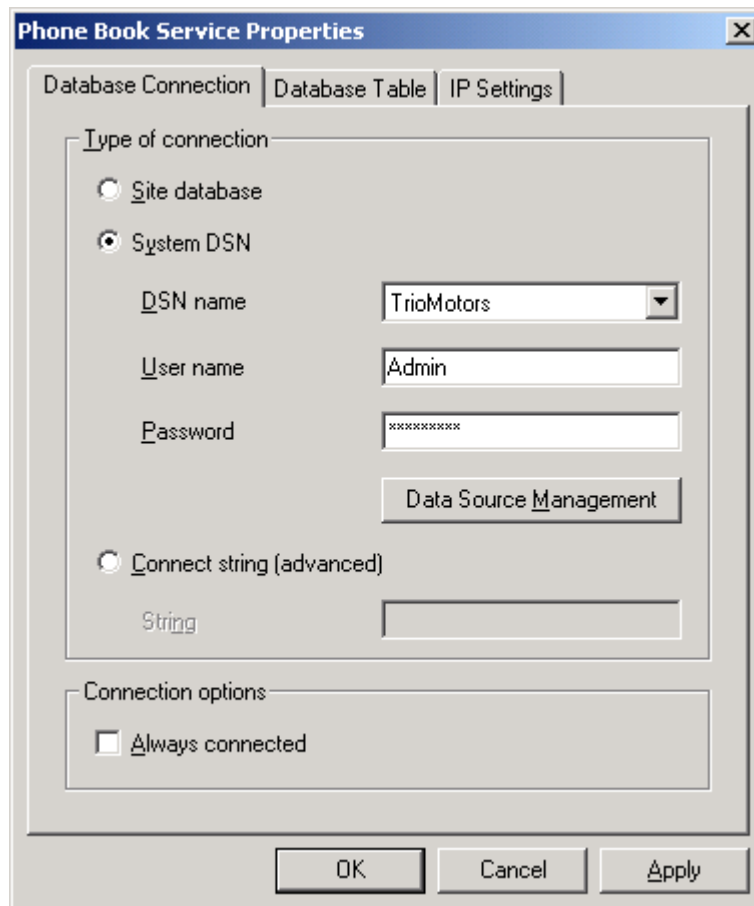
4.1 Connect to a Database

- 1 Enter Start menu > Programs > Ascom Tateco > Phone Book Service Configuration.
- 2 Select the tab "Database connection". This tab specifies how the database connection is made.

- Site database (only possible when used together with WinBK).
Default the Phonebook Service is configured to be connected to the Site database that is managed by the Pocket Units application in WinBK.

Note: If it is the Site database you want to connect to, no further configuration is needed.

- System DSN.
Specifies the connection to a customer database.
- Connect string (advanced).
This option is only for users with ODBC experience and is NOT recommended for others, but it enables the possibility to affect other ODBC parameters if necessary.



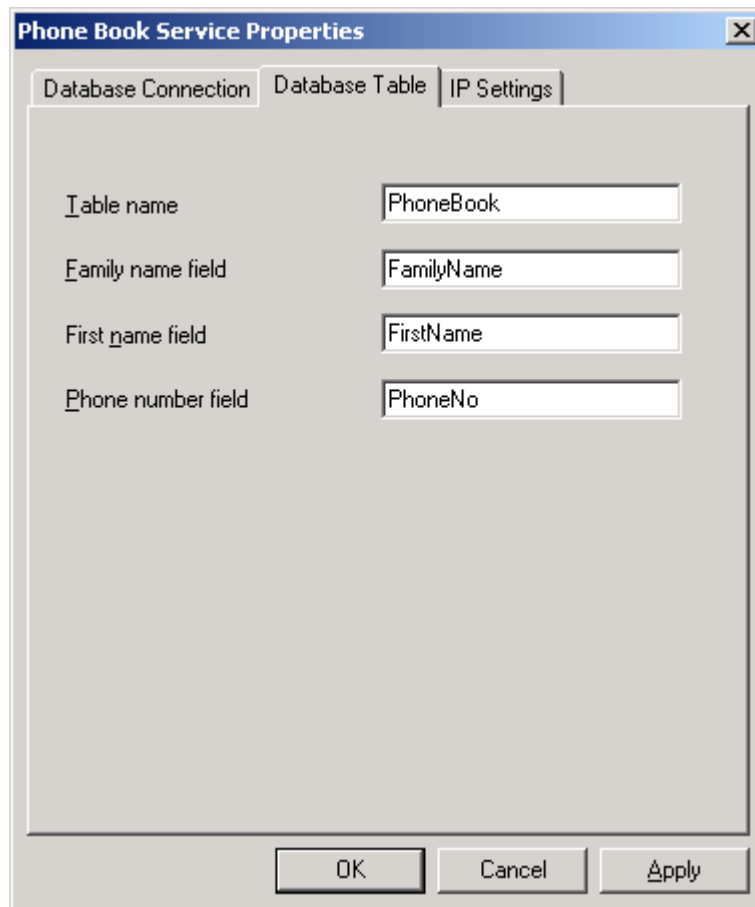
4.1.1 Connect to a Customer Database

- 3 Mark the "System DSN".
- 4 Enter the customer database name in the "DSN name" field. All available system DSNs are displayed in the drop down list.

- 5 Enter "User name" and "Password" if the DSN requires this to accept a connection. (If no DSNs exist, you have to configure a new one. Press the button "Data Source Management" to open the ODBC control application, or open it via the Windows control panel).
- 6 Option: To enable to keep the connection to the database between different search requests from the Portable Devices, mark the checkbox "Always connected". This can sometimes speed up the search.
- 7 Click the "Apply" or "OK" button.

4.1.2 Specify the Customer Database Table

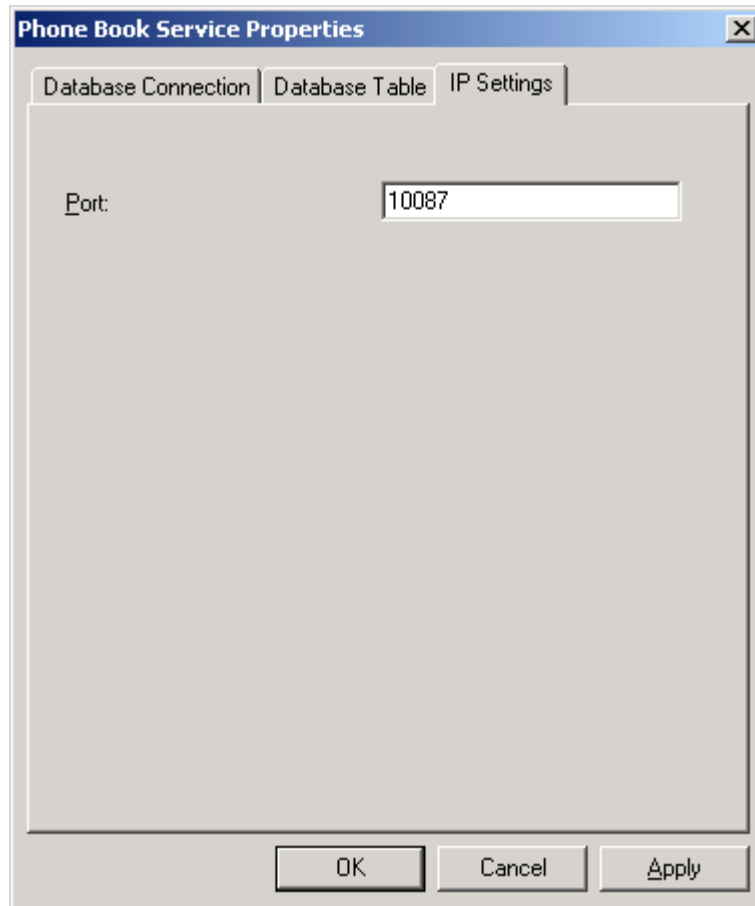
- 8 Select the tab "Database Table".



- 9 Enter the name of the table that contains the telephone number information, in the "Table name" field.
- 10 Enter the name of the field that contains the Family name, in the "Family name field".
- 11 Enter the name of the field that contains the First name, in the "First name field".
- 12 Enter the name of the field that contains the telephone number, in the "Phone number field".
- 13 Click the "Apply" or "OK" button.

4.1.3 Specify IP Port Number

- 14 Select the tab "IP Settings".
- 15 Determine the port number. Port number 10087 is used as default and can be changed if the port is already occupied.
- 16 Click the "Apply" or "OK" button.



4.2 Configure the System DSN

A System DSN is configured by the standard management tools for data source management. You can access the System DSN via the button "Data Source Management" under the tab "Database connection", or via the Windows Control Panel.

- Create a connection to the customer database by adding a System DSN.
A driver must be installed for the kind of database you want to use. Microsoft supplies a number of drivers for different databases, but it is possible to install other drivers if provided by the database vendor.

4.3 Set the Language

The language dependent texts that are sent to the Portable Devices are located in the file "lang.ini" in the installation target directory. You can find English and Swedish text in the file, but more languages can easily be added. Each language has its own section in the file. If you want to add a new language, simply copy and paste one section and change the texts in it.

- Define which language to use in the general section. Default the text is set to "English". See example below.

Lang.ini

```
; Translatable texts for the DECT Phone Book Service
[General]
Language="English"
Separator=", "

[English]
Text1="Search result"
Text2="Sorry, no match"
Text3="Database connection failed, try again"
Text4="License fault"

[Svenska]
Text1="Sökresultat      "
Text2="Tyvärr, ingen träff      "
Text3="Databasförbindelsen fungerar ej, försök igen      "
Text4="Licensfel"
```

4.4 Additional settings

Sometimes it is necessary to have specific access privileges to connect to a database. For example if the database is file based and located on a network drive (shared resource) on the LAN.

Default the Phonebook Service runs as an NT Service on the computer System Account and has no access to shared resources. If additional access privileges are needed, you must change the account the service uses, to an account with the required access rights.

The changes has to be done with the standard configuration tools in Windows which is found in the Windows Control Panel; Control Panel > Service for Windows NT4, and Control Panel > Administrative Tools > Services for Windows 2000/XP.

- 1 Select the "Phone Book Service" service and display the properties.
- 2 Change to the account that is to be used. Make sure you do not modify other properties by mistake.

4.5 Unite Settings

The Phonebook must be included in the Unite Number Planning (UNS). This setting is made in the ESS/Unite CM or in the IMS2 (in systems without ESS/Unite CM).

On the ESS

- 1 Enter the IP address for the ESS in the following way: "xxx.xxx.xxx.xxx".
- 2 Click the "ESS Administration" button.
- 3 Enter user name and password.
- 4 Click the tab "Message Routing".
- 5 In the left menu, click "Category Setup". The Category Setup page is opened.

- 6 Create a new category: In the "Category Description" field, enter a description.
- 7 In the "IP Address" field, enter the IP address for the PC that the Phonebook Service is running on in the following way: "xxx.xxx.xxx.xxx".
- 8 In the "Service" field, enter "Phonebook".
- 9 Click the "Save" button.
- 10 In the left menu, click "Add IDs". The Add Call IDs to Number Plan page is opened.
- 11 In the "Call ID" field, enter the Call ID that is used in the Portable Device (normally 999999).
- 12 In the "Category" field, select the category that you previously created.
- 13 Click the "Save" button.

On the Unite CM

- 1 Enter the IP address for the Unite CM in the following way: "xxx.xxx.xxx.xxx".
- 2 Click the "Configuration" button.
- 3 Enter user name and password.
- 4 In the left menu, click "Other Settings" > "Messaging Categories". The Messaging Categories page is opened.
- 5 Edit the "Central Phonebook" category: In the "IP Address" field, enter the IP address for the PC that the Phonebook Service is running on in the following way: "xxx.xxx.xxx.xxx".
- 6 Click the "Save" button.

Note: The Unite CM only supports usage of the default Call ID used in the Portable Device (999999).

On the IMS2

- 1 Enter the IP address for the IMS2 in the following way: "xxx.xxx.xxx.xxx/admin".
- 2 Enter user name and password.
- 3 In the left menu in the "Other" section, click "UNS". The UNS page is opened.
- 4 Click "Alias / Call ID" and select an empty post.
- 5 Enter the Call ID that is used in the Portable Device (normally 999999).
- 6 Enter the IP address for the PC that the Phonebook Service is running on in the following way: "xxx.xxx.xxx.xxx/Phonebook".
- 7 Click the "Activate" button.

5 Operation

The user accesses the Phonebook Service by sending an SMS from the Portable Device. The SMS includes a search query containing part of the First name and/or the Family name, see below. Searching for numbers is also possible.

Part of name refers to the first characters of the name and part of number refers to the last digits of the number.

You want to search for: **SMS text to be entered:**

- First name or Family name <Part of name>
- First and Family name <Part of first name><space><Part of family name>
- First name only <Part of first name><space>
- Family name only <space><Part of family name>
- Telephone number <Part of number>

1 Enter SMS text and send it to the Phonebook Service with the specified SMS address (number).

The search result is sent back to the Portable Device as an interactive message. If more than one number that matches the query is found, the result is displayed as a list of names.

2 Select the name you want and press the Call key, or the OK key, to dial the number.

6 Document History

For details in the latest version, see change bars in the document.

Version	Date	Description
A	4 May 2006	First version.
B	14 June 2007	Updated version.
C	20 December 2010	<ul style="list-style-type: none"> • Replaced IMS with IMS2 throughout. • Corrected the ESS settings in chapter 4.5 Unite Settings on page 5. • Added Unite CM settings in chapter 4.5 Unite Settings on page 5.