

SoftRadius Installation Guide

This is a short SoftRadius Getting Started manual. For more detailed information - please view the help files in your SoftRadius program, or if you at any time need more help, view the online tips and tricks on the Internet at www.option.com or contact the Option support center via e-mail, phone or Fax (for details see our website).

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Updates of the SoftRadius software are put on the web as soon as they are released.

SoftRadius package contents:

- Setup CD-ROM
- SoftRadius cable (for serial or USB port)

If an item is missing from your SoftRadius package please contact your SoftRadius dealer.

Cellular Phone Requirements

Make sure your mobile phone subscription includes the services that you are planning to use (data, fax and SMS) otherwise some of your SoftRadius features won't work. If you are unsure of these subscriptions please check with your network operator.

Computer and Devices Requirements

	Processor	Memory	Free HDD	O/S
Serial	486	8Mb	3Mb	Win95/98 NT4.0*/ 2000*
PDA	SH3/SH4 MIPS StrongARM	0,3 Mb +	3 Mb HDD	Windows CE 2.x + Services 2.x Pocket PC
USB	486 Power PC	8Mb	3Mb	Win98 2nd Ed. ME/ 2000 Mac OS9

* Administrator privileges are needed to install the software.

Installation of the SERIAL version of SoftRadius

- Connect the SoftRadius cable to the 9-pin serial port.
- If you have a CE or Pocket PC device, connect the SoftRadius cable to the CE-cable
- Plug the SoftRadius cable into your phone.
- Make sure the phone is turned on.
- Install the SoftRadius software (see below).

Installing on Win95/98/2000 or NT4.0

- Insert the CD into your computers' CD-ROM drive
- Go to D:\SERIAL (if D is the drive letter of your CD-ROM drive) and launch Setup.exe.
- Choose the language (Be aware that the installation and help files will be in the language selected by you. The program itself however will be in the language of your OS).



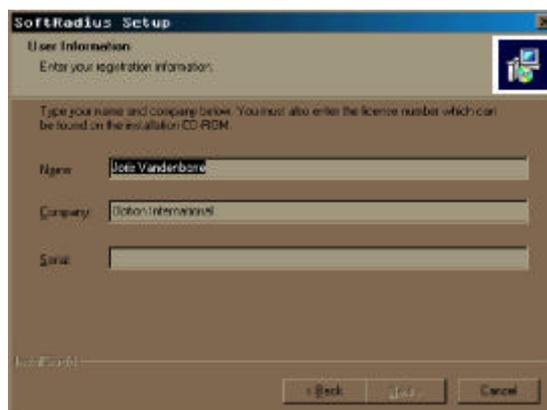
- Follow the instructions on the screen.

Note that Windows NT and Windows 2000 users must have Administrator privileges to install the software.

Software License Agreement

Please take your time to read the SoftRadius License Agreement carefully. If you do not agree, click No and the installation will stop.

Win 95/98, Me, NT 4.0 and 2000 users need to enter their name, company and the serial number located at the front of the CD.



Installing on Windows CE & Pocket PC (serial)

Before to install SoftRadius please connect your handheld computer to your desktop/laptop using the Microsoft Active Sync.

If the cable is not connected the installation will stop and continue the next time you connect your computer to your handheld.

- Insert the SoftRadius CD-Rom in your computer.
- Click on the Start button and select Run
- Write D:\CE\Setup.exe (if D is the letter of your CD-Rom Drive)

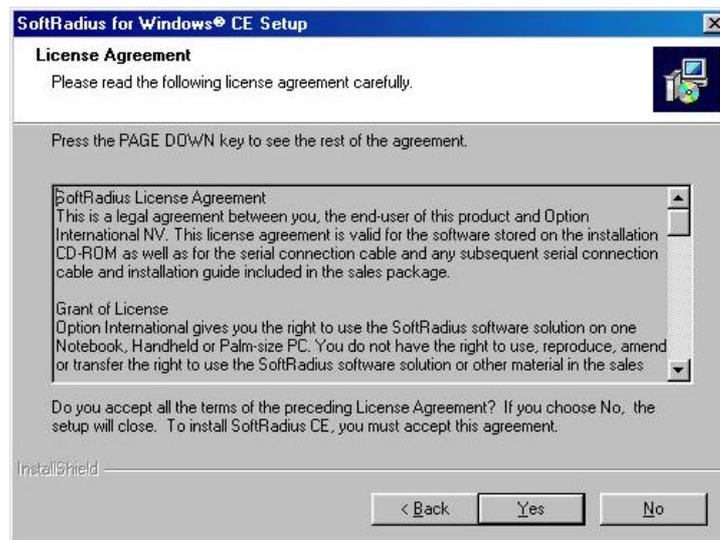
The installation program will start automatically.

Choose the language of the installation.

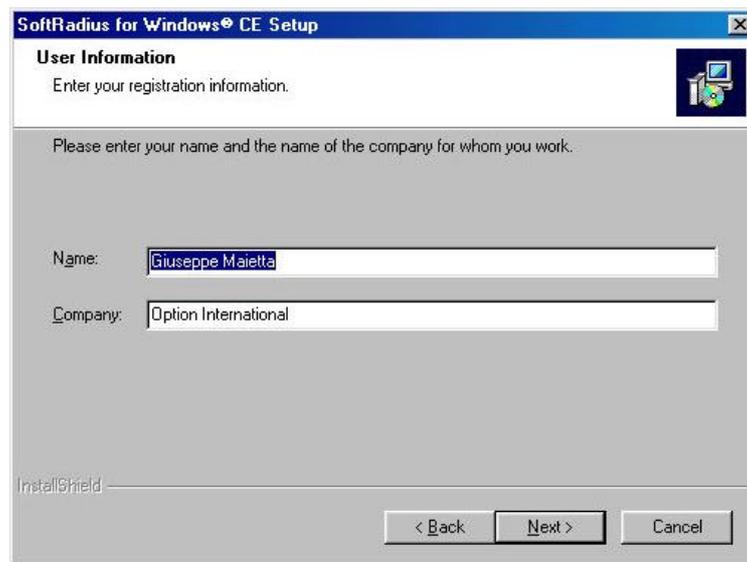


Please read carefully the SoftRadius License Agreement.

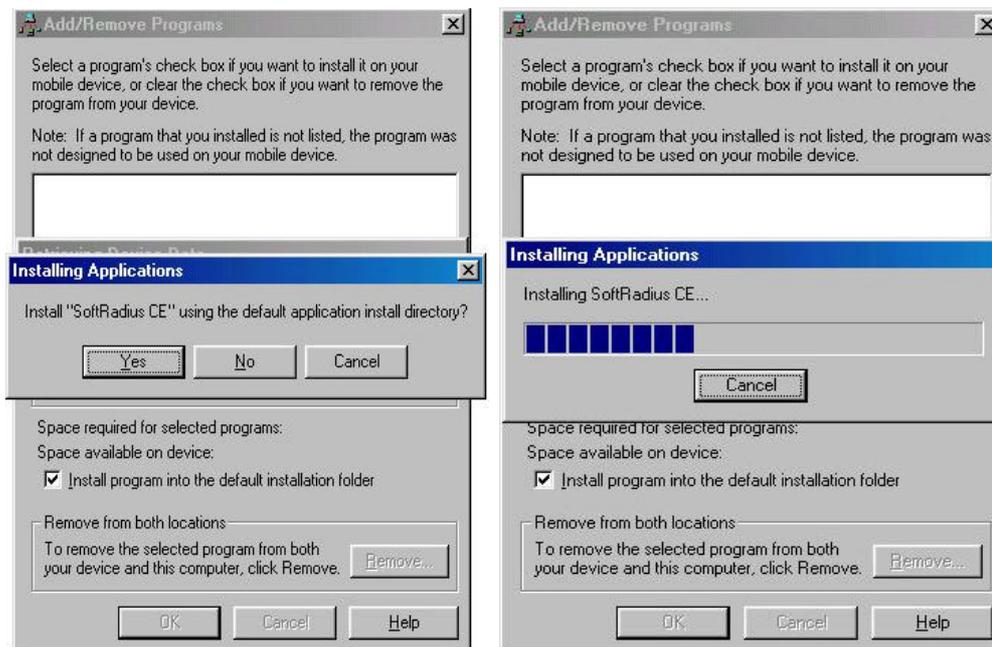
If you do not agree, click No and the installation will be closed.



Please enter your Name and your company

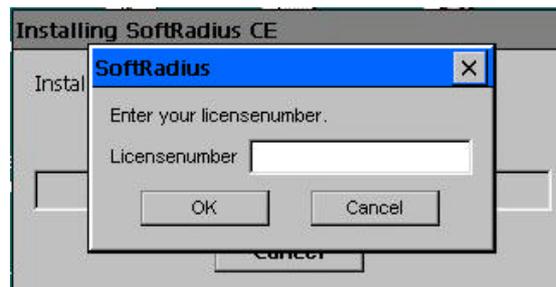


Now the installation will copy the necessary files on your handheld PC.

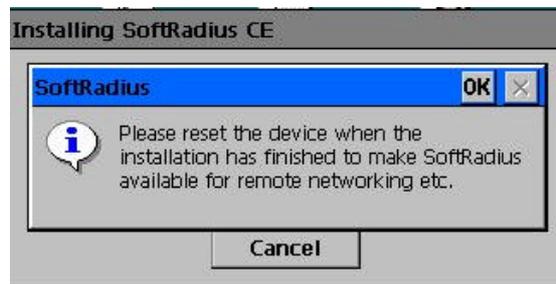


When the software is installed successfully, the installation will continue on your Windows CE device. If you are not connected the files will be stored on your computer and the installation will stop until you connect your handheld.

Type your license number in the dialog box:



Remember to tap on OK in the dialog box that tells you to restart your handheld before resetting.



Reset your handheld using the Reset button, often located on the backside of your device.

Please note that if you don't reset your Windows CE device, **SoftRadius will not work correctly!**

Setting up Remote Networking

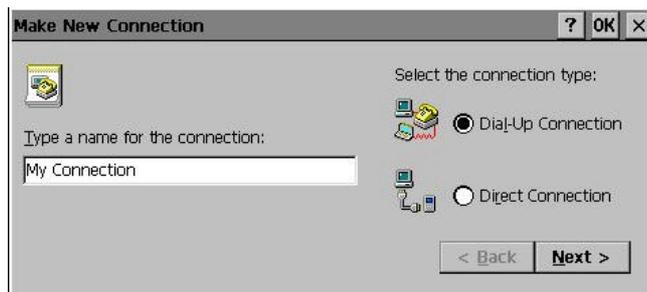
First of all you will need to connect your GSM to your handheld computer.

- Connect the SoftRadius serial connection cable to the serial cable provided by your Windows CE manufacturer (this is the same cable you use for connection to your desktop/laptop). Usually you need to use the device cradle also.
- Plug the cable into your Windows CE device.
- Connect the serial connection cable to your GSM mobile phone.

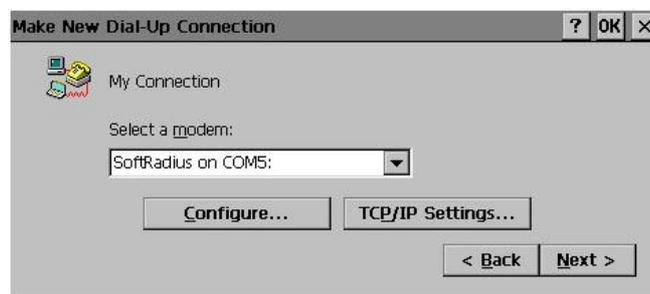


- Tap **START**
- Tap **PROGRAMS**
- Tap **COMMUNICATION**
- Tap **REMOTE NETWORKING**

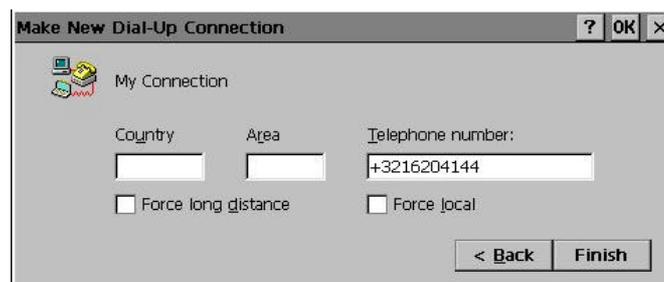
- Tap **MAKE NEW CONNECTION**



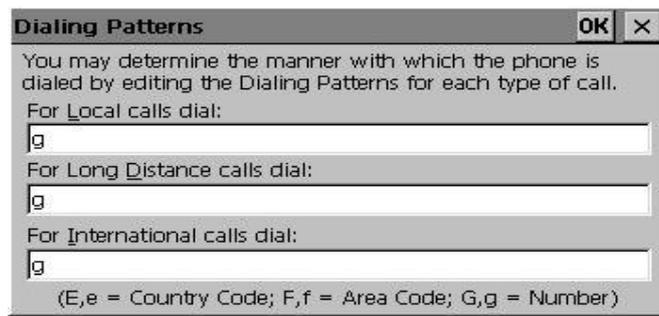
- Type the name of your connection and choose **DIAL-UP CONNECTION**. Tap Next
- Select **SOFTRADIUS**. If you have to edit the TCP/IP settings, please check with your internet provider. Tap Next.



- Type the phone number of the server you wish to dial. Type the whole number, including the country and the area code in the **TELEPHONE NUMBER** field. Include the '+' sign when dialing international numbers. We recommend you to always use international numbers allowing you to use the same number all over the world.



- Tap **FINISH**
- Tap Start → Settings → Control Panel → Communications → Dialing → Dialing Patterns.



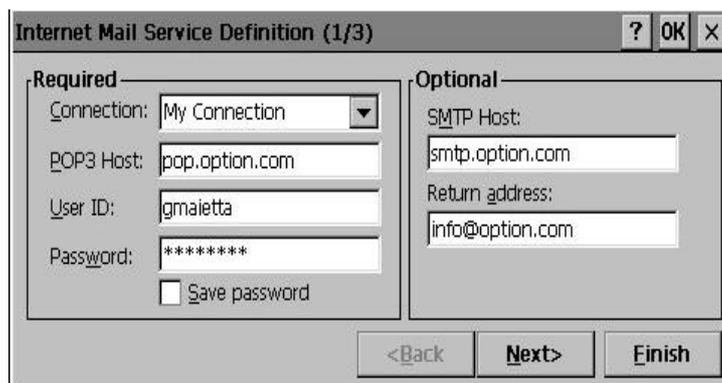
Replace all fields with 'g'. You must do this to preserve the '+' sign in an international number. In this way you instruct SoftRadius to dial only the phone number you typed.

Setting up a mail account

- Open your Pocket Outlook.
- Tap Compose→Options→Services.

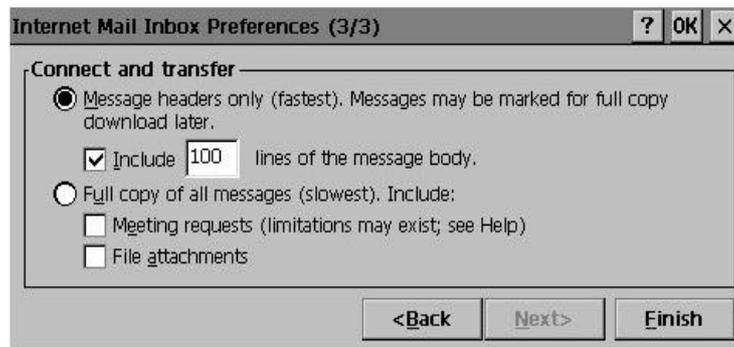


- Tap **ADD**. Choose **INTERNET MAIL** and tap **OK**.
- Tap the name of the service and tap **OK**.



- Choose the connection you want to use when sending and receiving e-mail. Complete all fields according with the settings of your internet mail provider.
- Tap Next until you reach **CONNECT AND TRANSFER**.

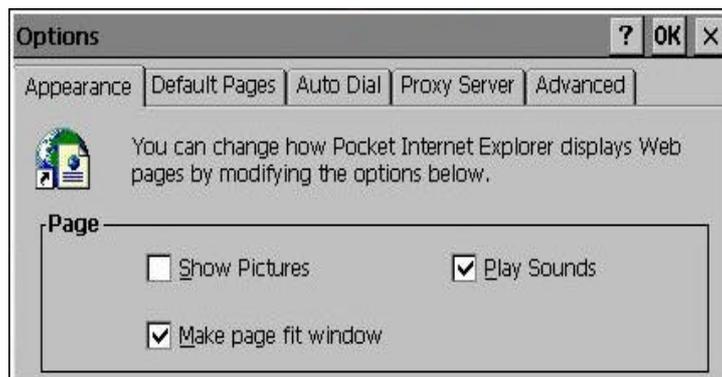
- For a fast access to the messages choose **MESSAGE HEADER ONLY**. You can also specify how many lines of the message body you wish to receive.



- Tap **FINISH**

Tips to speed up your connection to the internet

- Open Internet Explorer
- Tap View → Options.



To speed up your internet connection you can choose not to load pictures. To do this you must uncheck the Show Pictures box.

Please note that sending and receiving faxes is usually not possible on CE devices. This has to do with the Fax software available more then with the modem. Software programs like bSquare Fax are written in such way that the maximum of processor power is used for page compression leaving nothing for the modem. New or other fax programs may work just fine.

Installation of the USB version of SoftRadius

- First install the SoftRadius software (see below).
Do NOT plug in the cable yet!!!
- After installing the software, plug the SoftRadius USB-cable into the USB port of your PC.
- Plug the SoftRadius USB-cable into your phone.
- Make sure the phone is turned on.

Installing on Win98 SE/Me/2000 (USB)

- Insert the CD into your computers' CD-ROM drive.
- Go to D:\USB (if D is the drive letter of your CD-ROM drive) and launch Setup.exe.
- Choose the language (Be aware that the installation and help files will be in the language selected by you. The program itself however will be in the language of your OS).



- Follow the instructions on the screen.

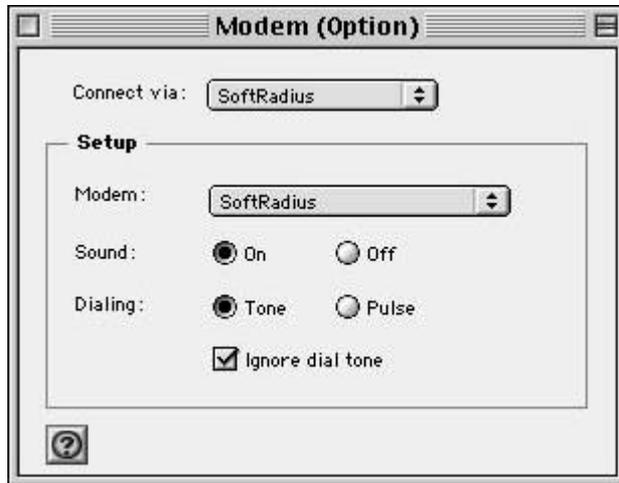
Installing on MacOS 9.0 or higher

- Insert the CD into your computers' CD-ROM drive
- Open the folder "MacOS9"
- Double click on the SoftRadius Installer icon
- Follow the instructions

The modem is now installed. To use SoftRadius connect phone and Mac using the SoftRadius USB cable.

Please note that SoftRadius will only be visible in the list of available modems when the phone is attached to the computer.

- Choose Modem under settings in the Apple menu
- Select
- Connect via: SoftRadius
 - Modem: SoftRadius



Configure your Apple Remote Access or equivalent to connect to your Internet service provider.

See the Macintosh help for further information on how to use a modem to connect remotely.

Known issues:

Do not disconnect the USB cable from the computer during an ongoing call since this might necessitate a reboot in order to connect again.

Nokia Speed Set with SoftRadius USB

In order to use your Nokia phone at 14400bps it needs to be set (upgraded) to this mode (Nokia 7110 is already programmed for 14400 bps). This upgrade can be done at your Nokia service center. However for your convenience Option has included a special speed change utility (Nokia Speed Set) in the SoftRadius software.

To upgrade your phone from 9600 to 14400 bps you need the SoftRadius USB cable on a Windows Operating System - however once you've done the upgrade you can reach this higher speed also with a serial SoftRadius cable and on Mac as well as CE.

Obviously your operator needs to support in order to achieve 14400 bps.

- Connect your Nokia phone to your PC using the SoftRadius USB cable.
- Run the Nokia Speed Set.
- Follow the instructions in the program.

After this your phone is ready to communicate at 14400bps.

International numbers

We recommend to always use international phone numbers in your phonebook. That way you can use the same number all over the world. Include the + sign when entering the numbers, e.g. +32 16 317411.

Shorter connection time

Using a v110 connection you can substantially shorten your connection time. Basically you're setting up an ISDN call from your computer. To activate v110 you have to put the "*" sign before the phone number (e. g. *+32 475 26 10 01). In order for this to work, the service v110 has to be supported by your network operator and the modem you are calling also have to be able to receive ISDN calls. Note that if you use the "*" sign when you try to call into an ordinary analogue modem the connection will fail.

SMS and Phonebook Application

SoftRadius allows easy management of your phonebook and SMS messages. You can create a backup of your phonebook, add new phone numbers or change outdated entries. Standard phonebooks can be created on the computer and then downloaded to the phone by a simple copy operation. SMS messages can be read, sent, deleted and saved in the same way that you would handle your email.

Overview

The SoftRadius application is organized into two parts, one for SMS and one for Phonebook management. Each folder icon in the application represents a storage place where SMS messages or phone numbers can reside. Some folders are linked to your phone, others are archives stored on your computer and some have special meaning.

The folders linked to your phone are called "SIM" or "phone". "SIM" means that the data resides on your SIM card given to you by the network provider, while "phone" refers to the data stored in the phone memory itself. Items stored in your phone will still be there if you change the SIM card, and items stored on the SIM card will be available to another phone using that SIM card. Be aware of the fact that different phones supports different storages. For instance the Nokia 5110 has no phonebook memory therefore the "Phone" icon will not appear (only the "SIM" icon). When you tap on the icon "MS Outlook" you can read the contacts you have stored in Microsoft Outlook. You can drag and drop the contact information from Outlook into any archive, for instance your phone.

ICONS REPRESENTING:



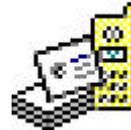
SIM STORAGE
OF SMS
MESSAGES



PHONE
STORAGE OF
SMS MESSAGES



SIM STORAGE
OF PHONE
NUMBERS



PHONE
STORAGE
OF PHONE
NUMBERS



OUTLOOK
PLUGIN

You can also create your own back-up files for both SMS messages and phone numbers, called “Archives”. These are stored on your computer.

ICONS REPRESENTING:



SMS ARCHIVE



PHONEBOOK ARCHIVE

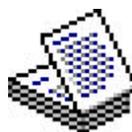
The SMS section has two special icons: “Outbox” and “Sent Items”. Items in the Outbox are SMS Messages that will be sent at the earliest opportunity, i.e. when the application is running and a phone is connected. If the sending fails, they remain in the Outbox for a later retry. When the sending succeeds they are moved to Sent Items. The messages in both Outbox and Sent Items are saved on your computer.

SMS messages and phone numbers go to the trash called “Deleted Items” when they are deleted. When the application closes everything in the trash will be lost.

ICONS REPRESENTING:



THE OUTBOX



SENT ITEMS



DELETED ITEMS

You can launch SoftRadius without your phone connected. In this case the icons associated with the phone and SIM will not be displayed. As soon as the phone is connected the icons will appear. You can change phones without restarting SoftRadius, making it easy to copy phone numbers between different phones.

Usage

SoftRadius has a standard Windows user interface. You can drag and drop items, use the edit menu, the toolbar, keyboard shortcuts or use the right-click menus to control the application.

Unlike most other applications SoftRadius works “online” with the phone. For example, a common procedure of another application would be to download your phonebook, make your changes and then upload it to the phone again. In SoftRadius your phonebooks and SMS messages are downloaded automatically in the background, and any changes you make go into effect immediately.

This “online” behavior means that you can work in a storage that is only partially loaded. The status bar at the bottom of the application tells you what SoftRadius is currently doing. If you are to copy all your phone numbers to a backup archive make sure that the phone storage is fully read otherwise only those items read will be copied.

Specifications and features:

Data

Non-transparent, uses Radio Link Protocol (GSM 04.22)

Transparent mode (GSM 03.45)

Transmission speed: 300-14.400 bps (limited by the GSM Network)

Support for UDI (V110)

Fax

Supports Fax class 1

Group III send and receive

SMS (Short Message Service)

Up to 160 characters

Supports nordic characters

Commands

Hayes AT (GSM 07.07 & 07.05)

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