



**INSTALLATION GUIDE FOR
ADMINISTRATORS
Nokia PC Suite 7.1
Nokia Connectivity Cable Drivers**

NOKIA

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1. INTRODUCTION

There are several methods that can be used to install Nokia PC Suite and Nokia Connectivity Cable Drivers. This document describes the advanced features of installing Nokia PC Suite 7.1 and later releases, and Nokia Connectivity Cable Drivers version 7.1.7.0 and later releases.

This document is meant for IT support personnel, such as system administrators.

1.1 System requirements



Note: The system requirements listed below are valid at the release date of Nokia PC Suite 7.1. You can check the Nokia PC Suite Web page at www.nokia.com/pcsuite for more up-to-date information.

To do this	You must have
To install and run Nokia PC Suite	<ul style="list-style-type: none">• At least 300 MB of free disk space• One of the following operating systems:<ul style="list-style-type: none">• Windows 7 32-bit and 64-bit editions• Windows Vista 32-bit and 64-bit editions (Service Pack 1)• Windows XP Professional x64 edition (Service Pack 2)• Windows XP (Professional or Home Edition) (Service Pack 2 or later)• Administrator rights to the PC to install software on it
To connect your phone to a PC	<p>At least one of the following connection sets</p> <ul style="list-style-type: none">• USB connection cable (DKU-2, DKE-2, CA-53, CA-70 or CA-101) and a compatible port on your PC• Serial connection cable CA-42 and a compatible port on your PC• Infrared (IrDA) port on your PC• Bluetooth wireless technology equipment and software

To do this	You must have
<p>To create a Bluetooth wireless technology connection between your phone and a PC</p>	<p>Bluetooth wireless technology equipment compatible with one of the supported Bluetooth stacks listed below:</p> <p>Windows 7 or Windows Vista 32-bit and 64-bit editions:</p> <ul style="list-style-type: none"> • Microsoft Windows Bluetooth stack • WIDCOMM Bluetooth stack, driver version 6.x • Toshiba Bluetooth stack, driver version 5.10.12, 6.10.10, 6.30.01 (Windows Vista); 7.10.18 (Windows 7) • IVT BlueSoleil Bluetooth stack, driver version 5.0.5, 6.2.227.11, 6.4.245.0, 6.4.249.0, 8.0.370.0 <p>Windows XP x64:</p> <ul style="list-style-type: none"> • Microsoft Windows Bluetooth stack • Toshiba Bluetooth stack, driver version 5.10.12, 6.10.10 • IVT BlueSoleil Bluetooth stack, driver version 5.0.5, 6.2.227.11, 6.4.245.0, 6.4.249.0, 8.0.370.0 <p>Windows XP:</p> <ul style="list-style-type: none"> • Microsoft Windows Bluetooth stack • Toshiba Bluetooth stack, driver version 4.0, 5.0, 5.10.12, 6.10.10, 6.30.01 • WIDCOMM Bluetooth stack, driver version 1.4.2.18, 3.x, 4.x, 5.0, 5.1, 5.5 • IVT BlueSoleil Bluetooth stack, driver version 3.x, 5.0.5, 6.2.227.11, 6.4.245.0, 6.4.249.0, 8.0.370.0 <p>Note: Available Bluetooth technologies and their versions may not be supported by your Nokia mobile device. Check your Nokia mobile device user guide for further details about compatibility with the listed Bluetooth technologies.</p> <p>Note: To check which Bluetooth stack your PC has installed: in the Nokia PC Suite main window, click Help > About Nokia PC Suite... > Show System Information dialog. If the Bluetooth stack found on your PC is not supported by Nokia PC Suite, this is also mentioned in the system info.</p>
<p>To perform tasks with Nokia PC Suite applications</p>	<p>A compatible phone. Certain features can only be used with phone models that support those features. For example, not all phone models support sending multimedia messages.</p> <p>To check which versions of Nokia PC Suite, Nokia PC Suite applications, and connection types your phone model supports, see www.nokia.com/pcsuite.</p>



Note: You should use the same language in the phone, the operating system, and Nokia PC Suite, if possible. This ensures your phone will function properly with all Nokia PC Suite applications.

1.2 Before installing Nokia PC Suite

If you use a Bluetooth wireless technology connection to connect the PC and the phone, install any required Bluetooth adaptors or software before you install Nokia PC Suite. For information on the required Bluetooth software, see section 1.1., *System requirements* in this guide.

To use a cable to connect the PC and the phone, you need appropriate cable drivers on your PC. For cable models DKU-2, DKE-2, CA-53, CA-70, CA-101, and CA-42 the drivers are installed automatically when you install Nokia PC Suite. Other Nokia cable driver setup programs can be found on the Nokia Product Support web pages at <http://www.europe.nokia.com/nokia/0,8764,81912,00.html>.



Note: Only install software from sources that offer adequate protection against harmful software.



Note: Make backup copies of all important data before installing Nokia PC Suite.

2. INSTALLING NOKIA PC SUITE

2.1 Installation package formats

Nokia PC Suite 7.1 is available as a Nokia PC Suite Installer package. The Nokia PC Suite installer is an executable application (.exe) that manages and installs Windows Installer installation packages (.msi). The Nokia PC Suite 7.1 installer package includes the following Windows Installer packages:

Product	Package
Visual C++ runtime library for 32-bit Windows	VC80_x86_v2.msi
Visual C++ runtime library for 64-bit Windows	VC80_x64_v2.msi
Nokia Connectivity Cable Driver	Nokia_Connectivity_Cable_Driver.msi
PC Connectivity Solution	PCCS.msi
Nokia PC Suite 7.1	Nokia_PC_Suite.msi

2.2 Normal installation

To execute a normal installation, double-click the installation package file or use **Start > Run**.

2.3 Nokia PC Suite installation options

Usage for command line options is as follows:

```
<filename> /option="parameters" /option="parameters"...
```

<filename> is the name of the installer package. Multiple options are separated by space and the parameters are enclosed in quotation marks. Table 1 contains the Nokia PC Suite installer command line options.

Option	Parameters	Description
/S /SILENT =	"1 S G W L R M P F C E"	Silent mode. 1 - Full silent mode. S - Displays the splash screen. G - Displays the language selection dialog. W - Displays the welcome dialog. L - Displays the license agreement dialog. R - Displays the Ready to install dialog. M – Displays the maintenance options page. P - Displays installation/maintenance progress dialogs. F - Displays installation/maintenance completed/interrupted dialogs. C - Displays custom confirmation and warning messages. E - Displays custom error messages.
/T /TARGET =	"<installation directory>"	Sets the installation target directory. The directory is appended to the "Program Files" system folder.
/L /LANG =	"<Language specifier>"	Sets the installation language. This option works only when used with multilanguage installations. The option cannot be used without a parameter. For a list of supported language specifiers, see Supported languages .
/LOG=	"ON OFF"	Logging is turned on or off.
/O /MSI_CUSTOM_OPTIONS =	"<Msi package> <Product code>;<Custom options>"	This option defines the properties forwarded to Windows Installer. If parameter <Msi package> or <Product code> is omitted, the <Custom options> parameter is forwarded to all msi packages that are included in the installer package.
/U /UNPACK =	"<path>"	Unpacks the Installer package. If path is not given, the package is unpacked to a temporary folder.
/D /DISABLE =	"AUTORUN" "WEBUPDATE"	AUTORUN – Disables the installer from starting PC Suite applications after installation. WEBUPDATE – Disables the installer from checking PC Suite updates during the installation.
/RM /REINSTALLMODE =	"<Reinstall parameters>"	Specifies Windows Installer command line options for reinstallation.

Table 1 Command line options for Nokia PC Suite installer

2.4 Examples of using Nokia PC Suite installer command line options

Example 1

Install the English (UK) version of Nokia PC Suite 7.1 and during the installation process show only the end-user license agreement dialog and error or warning messages if such problems are encountered.

```
Nokia_PC_Suite_7.1_eng.exe /SILENT="LWE"
```

Example 2

Install Nokia PC Suite 7.1 from a multilingual installation package displaying the language selection and installation progress dialogs. Disable applications from being started after the installation has finished.

```
Nokia_PC_Suite_7_1_ALL.exe /SILENT="GP" /DISABLE="AUTORUN"
```

2.4.1 Command line options for Microsoft Windows Installer

Table 2 contains some important command line options for Microsoft Windows Installer (msiexec.exe) that can be used directly with Windows Installer packages (.msi). A full list and more information about Windows Installer command line options can be found from:

http://msdn.microsoft.com/library/default.asp?url=/library/en-us/msi/setup/command_line_options.asp

Option	Explanation
/I <Package> <ProductCode>	Installs/configures a product.
/x <Package> <ProductCode>	Uninstalls a product
/a <Package>	Administrative installation option.
/L*v <Logfile>	Creates an installation log file. Writes installation information to the log file specified at <Logfile>.
<Package>	A full path to the Windows Installer installation package (*.msi file)
<ProductCode>	A unique identifier for the particular product, represented as a string GUID, for example "{12345678-1234-1234-1234-123456789012}".
<Logfile>	A full path to the installation log file including the file name. If the path contains spaces, it needs to be enclosed in quotation marks. For example: "C:\Installation log\LogFile.log"

Table 2 Windows Installer command line options (part)

2.4.2 Nokia Connectivity Cable Driver-specific installation features

Table 3 contains installation features specific to Nokia Connectivity Cable Driver (.msi package). Values that are literal strings must be enclosed in quotation marks in the

command line. Multiple properties must be separated by an empty space character in the command line, for example `SILENTMODE=1 DISABLEOPTIONS="CD" REBOOT="Force"`

Property	Option	Option description	Notes
<code>SILENTMODE=1 "LRPFWE"</code>	L	Full silent mode.	Custom silent that does not suppress the Windows installer initialisation dialog.
	L	Displays the license agreement dialog	
	R	Displays the Ready to install dialog	
	P	Displays the installation progress dialog	
	F	Displays finish dialogs for successfully completed or failed installation.	
	W	Displays custom information and warning messages.	
	E	Displays custom error messages.	
<code>DISABLEOPTIONS="CD"</code>	C	Disables the Cancel button in installation progress dialogs.	
	D	Disables phone detection during installation.	
<code>REBOOT="Force"</code>	"Force"	Prompts a computer reboot after installation.	Predefined Windows Installer property.
<code>REBOOTPROMPT="S"</code>	"S"	Forces a computer reboot after installation.	Predefined Windows Installer property.

Table 3 Nokia Connectivity Cable Driver-specific options

For example:

To start installation with logging enabled displaying the license agreement dialog and any custom warning or error messages:

Single language msi:

```
Msiexec /I "Nokia_Connectivity_Cable_Driver.msi" /L*v "C:\Installation log\LogFile.log" SILENTMODE="LWE"
```

2.5 Supported languages

Language specifier	Language ID
Arabic	1025
Brazilian Portuguese	1046
Canadian French	3084
Chinese (Hong Kong)	3076
Chinese (P.R.C)	2052
Chinese (Taiwan)	1028
Czech	1029
Danish	2030
Dutch	1043
English (UK)	2057
English (US)	1033
Filipino (Tagalog)	1052
Finnish	1035
French	1036
German	1031
Greek	1032
Hebrew	1037
Hungarian	1038
Indonesian	1057
Italian	1040
Korean	1042
Malay	1086
Norwegian	1044
Polish	1045
Portuguese	2070
Romanian	1048
Russian	1049
Slovak	1051
Slovenian	1060
Spanish (Spain)	1034
Spanish (American)	2058
Swedish	1053

Language specifier	Language ID
Thai	1054
Turkish	1055
Vietnamese	1066

Table 4 Language specifiers and language IDs

2.6 Deploying Nokia PC Suite with Active Directory

The Nokia PC Suite installer option /UNPACK can be used to extract Windows Installer (.msi) packages from the Nokia PC Suite installer package. Packages can then be deployed separately with Active Directory in the following order:

1. Visual C++ runtime library
2. Nokia Connectivity Cable Driver
3. PC Connectivity Solution
4. Nokia PC Suite

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