Downloadterminal

Flexible download of digital tachograph data



www.siemensvdo.com

Operating instructions

SIEMENS VDO

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Document history

Date	Chapter/ Page	Subject, change, action taken
15.11.2006	1st edition	Siemens VDO Downloadterminal

Introduction

The Siemens VDO Downloadterminal facilitates the downloading of data from digital tachographs, especially for larger fleets. It offers drivers the option of independently downloading their driver cards and the mass memory data stored on the Downloadkey or TIS-Compact Downloadkey.

The Downloadterminal can be set up in the drivers' rest room, for instance – making it accessible outwith office hours.

You can operate the Siemens VDO Downloadterminal as follows:

- in Stand-alone mode, i.e. as a self-contained unit with no direct connection to a computer; see *Chapter "Stand-alone mode"* on *page 8*.
- directly connected to a computer via the USB cable (included in the package) or a crossover network cable; see *Chapter "Direct connection with an office PC"* on page 8.
- integrated into your company's network via the network cable (included in the package); see Chapter "Connection to a network" on page 9.

In this manual, "Downloadkey" also refers to the TIS-Compact Downloadkey.





The Downloadterminal reads the data on a driver's card or Downloadkey and saves it in an internal memory until it is called by a computer or transferred to a USB stick.

To configure the Downloadterminal, you must install the Siemens VDO Downloadterminal software from the product CD (included in the package); see *Chapter "Installating the software"* on *page 14*. Data call from the terminal takes place through a service, which is installed and started when the software is first started; see *Chapter "Installing and starting service for communication"* on *page 15*.

Delivery schedule



- 1 Downloadterminal
- 2 CD with USB drivers, operating instructions and software for configuring the Downloadterminal
- 3 Network cable RJ 45
- 4 Mains adapter
- 5 Power cable for connecting the mains adapter (assembled at the factory)
- 6 USB cable (assembled at the factory)

Overview of Downloadterminal



Downloadterminal • Edition 01/2007

Technical data

Dimensions	L 160 x W 120 x H 70 mm
Weight	Terminal: 0.6 kg
	Mains adapter: 0.2 kg
Interfaces	Card reader for driver cards
	 USB port for Siemens VDO Downloadkey/ TIS-Compact Downloadkey and USB stick
	 USB port for connecting to a PC; internal connector socket
	 RJ45 100/10 Ethernet connection for connecting to a PC (crossover cable) or in a network (hub); internal connector socket
Storage	Internal SD card with 128 MB memory capacity
Type of protection	IP 20
Power supply	Fixed cable for connecting to the mains adapter 12 V 400 mA
(Operating) temperature i	range -20°C to 60°C

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P~ Tip

You'll find more information on the SD card in Chapter "Memory card".

Memory card

The Siemens VDO Downloadterminal is equipped with a standard commercial SD memory card. The card is located on the underside of the Downloadterminal's mainboard.



If the Downloadterminal develops a defect, you can remove the SD memory card and use a conventional SD card reader connected to your computer to download the card data.



You cannot install the memory card of a unit in a different Downloadterminal and operate that unit with the card, because the individual device ID is saved in the configuration data. This cannot be changed.



Folder and data structure on the memory card

The following table lists the folders and files on the memory card of the Downloadterminal.

Folders	Description
ARCHIVE	Files from the NEW folder are saved here when they are transferred to a computer or USB stick.
	The files remain in this folder until they are automatically deleted after a pre-defined period of time; see <i>Chapter "General configuration for the Downloadterminal"</i> , <i>keyword "Duration of archive [Days]"</i> on page 21.
NEW	The downloaded files from driver cards and Downloadkeys are saved in this file until transferred to a computer or USB stick.
Update	Files for updating the unit's software are temporarily stored here. Software updates will only be carried out on the Downloadterminal if all the update files are saved in this folder.
File	Description
Language.*	User guidance text file for the display of the Downloadterminal. Files for the following languages are stored on the memory card by default:
	• Danish
	• German
	Spanish
	• Finnish
	• French
	• Italian
	Dutch
	Norwegian.
NutApp.Bin	Configuration file of the Downloadterminal.
	The device ID and the user guidance language are stored in this file; see <i>Chapter</i> "Configuration" page 19.

System requirements

Requirements for the software

In order to be used with the Siemens VDO Downloadterminal software, a computer must fulfil the following requirements:

Components	Requirement
Processor	1 GHz Pentium or compatible CPU
Memory	256 MB / 50 MB free
Hard drive	30 MB free hard drive space for the installation and memory for the download data
Operating system	 Microsoft Windows[®] 2000 with current Service Pack Microsoft Windows[®] XP Professional with current Service Pack

Hardware requirements

The following requirements must be fulfilled when connecting the Downloadterminal to a computer:

Components	Requirement
Interfaces	One free USB 1.1 or USB 2.0 port for connecting the Downloadterminal via the USB cable
	 Network connection for connection via a network cable (for hub or crossover cable)
	 One free USB 1.1 or USB 2.0 port for connecting a USB stick (optional)

Important

For connecting the Downloadterminal to the network interface of a computer without a network hub or switch, you need a crossover cable (not supplied).



A computer can only offer a limited number of USB ports.

If you want to connect a mouse, keyboard, printer, Downloadterminal, scanner and perhaps a dongle to your computer, you need a "USB hub". Remember to purchase a hub with its own power supply – this will avoid a reduction in performance.

Setting up the device

	The Downloadterminal can be affixed to a wall or placed on a flat surface like a counter.
Power supply	The power supply of the Downloadterminal is provided solely by the power cable and the mains adapter (included in the package).
Important	The USB cable will not provide power.
Wall console	Siemens VDO has a console used to attach the Downloadterminal securely to a wall; also see the <i>Chapter "Wall console"</i> on <i>page 42</i> .
Important	Choose the site for the Downloadterminal carefully – it should not be subjected to outside weather, direct sunlight or dampness.

Potential applications

You can operate the Siemens VDO Downloadterminal

- in Stand-alone mode, i.e. as a self-contained unit with no direct connection to a computer; see *Chapter "Stand-alone mode"*.
- directly connected to a computer via the USB cable (included in the package) or a crossover network cable; see *Chapter "Direct connection with an office PC"*.
- integrated into your company's network via the network cable (included in the package); see *Chapter "Connection to a network"*.

Before you install the device, decide how you want it to operate.

Important

Stand-alone mode

In Stand-alone mode, you can configure the Downloadterminal using the computer on which the configuration software is installed. On this computer, you create the configuration file which you transfer to a standard, commercial USB stick and import into the Terminal; see *Chapter "Operation"* on *page 34*.

Using a USB stick, you then download the driver card data or Downloadkey data that was saved on the memory card of the Downloadterminal. With the data now transferred to a computer using Windows[®] Explorer and the USB stick, you can make it available for evaluation/archiving software like TIS-Office or TIS-Web; see *Chapter "Data transfer via a USB stick"* on page 36.

Network operation

		You can connect the Downloadterminal directly to a PC or with a network, configure it and call the stored data from the Terminal via the USB cable or a network cable. Connection always takes place with the computer on which the software and the service for communication with the Downloadterminal are installed.
!	Important	Thanks to its independent power supply, the Downloadterminal will remain ready for operation and can save driver card data and Downloadkey data, even when the computer has been switched off.
þ <	Тір	You can also operate the Downloadterminal within a network via a Wireless LAN connection (WLAN) using commercially available access points.

Direct connection with an office PC

Connection via the
internal USB interfaceThe internal USB interface enables the Downloadterminal to be directly
connected to a PC. For USB interface operation, the configuration software
must be installed and the USB drivers from the package CD.

!	Important	The USB cable is assembled at the factory. Supplying power to the Downloadterminal via the USB cable is not possible. Power supply takes place only via the mains adapter included in the package.
		only via the mano adapter moladed in the package.

р ́~ Тір	 The Downloadterminal may receive a shut-down signal via the USB connection when the computer itself is shut down, particularly if Windows[®] XP is the operating system. You can prevent this by connecting the Downloadterminal to a USB hub with its own power supply or by removing the USB cable from the computer.
Important	 Please remember that the maximum length a USB cable may have is 5m. However, you can achieve greater distances by using USB hubs with their own power supply.
Connection via the internal network interface	The internal network interface also enables the direct connection of the Downloadterminal with a PC. For this connection, however, you need a crossover cable which is not included in the package.
	You can operate the Downloadterminal with the preset IP address or assign a different address.
Condition	The PC's network adapter must be set up with the corresponding IP address.
V	Contact your network administrator to set up the correct network connection.

Connection to a network

The internal network interface (together with the network cable which is
included in the package) enables the connection of the Downloadterminal with
a network (network hub or switch). This means that you can target terminals
from any network computer on which the Siemens VDO Downloadterminal
software has been installed.

Usually the software and consequently the service are installed on the server in order to guarantee the uniform and constant calling of data from the Downloadterminal.

Condition

The Downloadterminal must be configured with an IP address assigned by the responsible network administrator. Contact your network administrator to set up the correct network connection.

Important

You can use several Downloadterminals within a network. In this case, each Downloadterminal must be configured with its own IP address.

Commissioning flowchart

The following schematic overview shows you the commissioning cycle of the Downloadterminal.



Preparing connection versions

The works-assembled USB cable is supplied with the Downloadterminal. If you want to operate the Downloadterminal

- as a self-contained unit, you must remove the fitted USB cable.
- via a network connection, you must remove the fitted USB cable and connect the supplied network cable or a crossover cable.

Removing the USB cable for Stand-alone mode or network operation

Caution	 Disconnect the Downloadterminal from the power supply and from any connected computer before starting to remove the USB cable. Otherwise the Downloadterminal could be damaged.
Important	For the following steps, you will need a "Phillips 1" screwdriver.
	To remove the USB cable:
	Disconnect the power supply of the Downloadterminal and the USB connection to any connected computer.
:	2 Unscrew and remove the two screws on the top of the Downloadterminal - then open the housing.
:	Pull out the USB cable from the "USB PC" socket contact on the mainboard.
	4 Remove the USB cable strain-relief member from the housing.
	To do this, rotate the strain-relief member in such a way that the clip is facing upwards - now pull it out of the housing.
	5 Open the clip and remove the strain-relief member from the USB cable.
	6 If you want to operate the Downloadterminal
	 as a self-contained unit, insert the strain-relief member into the housing again and rotate it around 90°.
	 by creating a connection with a computer or network via a network cable, continue with Step 2 in the following Chapter "Connecting the network cable".

7 Close and screw down the housing of the Downloadterminal.

Now you can continue with the installation of the Siemens VDO Downloadterminal software.

Connecting the network cable

!	Important		The steps described in this chapter apply to the supplied network cable and to crossover cables.
4	Caution		Disconnect the Downloadterminal from the power supply and from any connected computer before starting to connect the network cable. Otherwise the Downloadterminal could be damaged.
!	Important		For the following steps, you will need a "Phillips 1" screwdriver.
			To connect the network cable:
		1	Remove the USB cable (if you haven't already done so).
			See Chapter "Removing the USB cable for Stand-alone mode or network operation" on page 11.
		2	Plug the network cable into the "Ethernet" socket contact on the mainboard.
		3	Fit the strain-relief member on to the network cable about 15 cm behind the connection on the mainboard.
		4	Plug the strain-relief member into the housing and rotate the strain-relief member around 90°.
			Now the network cable cannot be accidentally jerked out of the Downloadterminal.
		5	Close and screw down the housing of the Downloadterminal.
			You can now install the software; see <i>Chapter</i> "Software and service" on page 13.

Software and service

This chapter deals with the installation of the Siemens VDO Downloadterminal software and the setting up of the service for communication with the Downloadterminal.

The software is absolutely necessary for all possible application. You MUST install the software from the product CD – whether you wish to use Stand-alone mode or network operation.

You need the software to

configure the Downloadterminal.

See Chapter "Operation" on page 34.

• install and start the service for communication with the Downloadterminal.

See Chapter "Installing and starting service for communication" on page 15.

 transmit a firmware update (device software) to the Downloadterminal, irrespective of the type of utilisation.

See Chapter "Software update for the Downloadterminal" on page 38.

 prepare a USB stick for the transfer of the configuration to a Downloadterminal that is being operated as a self-contained unit, i.e. with neither computer nor network involved.

See Chapter "Operation" on page 34.

 prepare a USB stick for the calling of data from a Downloadterminal that is being operated as a self-contained unit, i.e. with neither computer nor network involved.

See Chapter "Data transfer via a USB stick" on page 36.

Install the software

- on a computer which is directly connected to the Downloadterminal via a USB or network connection.
- on any computer in your network (but preferably the server) if the Downloadterminal is to be directly connected to the network.
- on an external computer or one within your network if the Downloadterminal is to be used as a self-contained unit.

Installating the software

V c	ondition	To install the Siemens VDO Downloadterminal software, you must have administrator rights or be authorised to install programs.
		To set up the service, you need the authorisation to install and start services.
		You must install the software and the service on the computer from which data calls will be issued.
		To install the software:
	1	Log on to the operating system (if you haven't done so already) with a user account which has administrative rights.
	2	Close all active applications, in particular active virus scanners since these can cause problems during installation.
	3	Insert the product CD for the Downloadterminal in your CD ROM drive.
		The Installation Wizard will start up automatically with the welcome dialogue.
I Ir	nportant	If the Autostart function on your computer is switched off, run the "setup.exe" file from the CD.



4 Click on [Weiter >] (Next) to continue the installation procedure. The dialogue box for selecting a destination path now follows.

Downloadterminal: Destination path	5	Select the destination path in which the software for configuration is to be installed. If you
		 want to retain the standard setting, click on [Weiter >] (Next).
		 want to change the standard setting, click on [Durchsuchen] (Browse), select the new path and click on [Weiter >] (Next).
		The current path is displayed under Destination folder .
		When you select the folder for the program icon, the installation procedure will continue.
Program icon	6	Confirm (if you wish) the standard folder in which the program icon is to be created with [Weiter >] (Next).
		A progress bar now indicates the status of the software installation procedure and the Siemens VDO Downloadterminal window opens up.
	7	Close the "Siemens VDO Downloadterminal" window.
		The Setup finished window will be displayed.
	8	Click on [Beenden] (Exit) to finish the installation procedure.
	9	Continue by
		 installing and starting the service for communication if you want to connect the Downloadterminal to a single-user PC or a network (server).
		See Chapter "Installing and starting service for communication" on page 15.
		 installing the USB drivers from the CD if you want to connect the Downloadterminal to a computer by means of the USB cable.
		See Chapter "Installing USB drivers" on page 18.

Installing and starting service for communication

The Siemens VDO Downloadterminal service has to be installed if you want to connect the terminal directly to a computer (single-user) or a network (server).

When this has been done, booting up the computer will start this service automatically.

The service takes over the connection to the Downloadterminal, enabling it to check the Downloadterminal for new data at regular, definable intervals – it then copies this data to a computer (single-user) or a specified drive (network).

So in effect the software only needs to be started if you want to change the configuration or prepare a USB stick for a data transfer.

Important

/	Condition	You will need authorisation to install and start services in order to carry out the following steps.
!	Important	 Computer access to the memory of the Downloadterminal can only take place via this service. Manual access to this memory via Windows[®] Explorer is not possible.
	Тір	In order to safeguard the SD card data (if the Downloadterminal should develop a defect, for instance), you can remove the card from the Terminal and copy the data to your computer via a suitable SD card reader.

To install and start the service for accessing the Downloadterminal:

1 Start the "Siemens VDO Downloadterminal" program.

A message will be displayed to the effect that the necessary service for communication with the Downloadterminal has not been installed or not started.

2 Confirm with [OK].

The **Siemens VDO Downloadterminal** program window will now be displayed in the foreground.

🥥 Siemens V	'DO Downloadt	terminal		
File Edit Disp	olay USB - Stick	Tools Language Help		
Terminal lis	at Parameter I	Install additional languages	ettings (Global) Protocol (Communication)	
		Install & start service		1
	Paramete			🗳 <u>N</u> ew
	Device-ID			à <u>D</u> elete
	Description			📐 Edit
	Language		Y	
	Timezone (se	ec.]		3 Save
	With daylight	t saving	<u>v</u>	
	daylight savi	ng [sec.]		💥 Cancel
		archive [Days] storage space		
	Use global tr	ansfer directory	<u>ज</u>	
	Individual tra	ansfer directory		



In the Language menu, define your preferred language for the software.

Important

Now select "Tools" and "Install & start service...". 3

The ... - Install & start service dialogue box will now open up.

Username	TerminalService	Deinstall
Domain		
Password	*****	
Password confirm	*****	
comm		

While the service is being installed, a new user, TerminalService, will automatically be created in Windows user administration. This user name allocates all the necessary rights to that particular computer for working with the Downloadterminal.

The user account will then be used for operating system login and boot up procedures.

If you want to save the download data to another computer or to a drive in the Condition network, you must choose a user name created especially for that computer, which possesses the necessary write authorisation.

> The user account for the Siemens VDO Downloadterminal service in the Domain cannot be created by the software.

- 4 Change the user name if you want to save the download data to a different computer or to a drive in the network.
- 5 In the "Domain" box, enter the name of the domain in which you want to save the downloaded files.

You only need to use this box if you want to save the data on a different computer or to a different drive in the network - and not save it locally.

Important

If you want to save the downloaded files to another computer or to a different drive in the network, you must enter the password which has been stored for that particular user in his user account.

- 6 Change the password for logging in the service (if necessary or desired). By default, the password is **password**.
- 7 Click on [Install] and confirm the successful installation and start message with [OK].
- 8 Continue by
 - ascertaining if the "Siemens VDO Downloadterminal" service has been installed and has started:

to do this, select "[Start] > Control Panel > Administrative Tools > Services" to check if the service has been flagged as "Started".

- installing the USB drivers from the CD if you want to connect a computer to the Downloadterminal by means of the USB cable.

See Chapter "Installing and starting service for communication" on page 15.

- configuring the Downloadterminal.

See Chapter "Operation" on page 34.

Installing USB drivers

If you want to connect the Downloadterminal to a PC via the pre-fitted USB cable, you must install the USB drivers from the CD.

 Important
 The operating system identifies two devices in the Downloadterminal.

 Important
 Therefore two device drivers have to be installed. Installation is identical for both drivers.

To install the USB drivers on the computer:

- 1 Log on to the operating system (if you haven't done so already) with a user account which has administrative rights.
- 2 Close all active applications, in particular active virus scanners since these can cause problems during installation.
- 3 Insert the Downloadterminal CD (if you haven't already done so) into the CD ROM drive.

Stop the setup routine from launching where applicable.

4 Connect the Downloadterminal to a free USB port on the computer.

The operating system will identify new hardware and start the Drivers Installation Wizard.



5 Click on [Weiter>] (Next) to install the driver.

The driver will now be installed and the **Finish Wizard** dialogue box displayed, signifying installation completion.

6 Click on [Beenden] (Finish) to finish driver installation.

The Installation Wizard for installing the second driver will now start automatically. Repeat *Step 5* and *Step 6* to install the second driver.

You can now continue with the configuration and commissioning of the Downloadterminal.

Configuration

You should now have installed both software and USB drivers (where necessary). You have also installed and started the service. In this new chapter, you'll learn which settings you can make before starting the commissioning of the Downloadterminal.



If you want to configure the Downloadterminal for a network connection, you'll need to have some knowledge of networks and how to set them up.

Contact your network administrator to make the correct settings.

Important

In the case of a USB and network connection, if you have selected the **Transfer configuration** option in the software, the configuration data will be automatically transmitted to the Downloadterminal the next time a connection is made; see *Chapter "Options for the next connection (data call)"* on page 23.

The configuration must be transferred by USB stick if you

- have not selected the option for automatic transmission of the configuration.
- are configuring the Downloadterminal for network commissioning and you change the settings of the TCP/IP connection.
- change the settings of the TCP/IP connection in the current network operation.
- operate the Downloadterminal as a self-contained unit.

Data transfer via GPRS is not yet possible at the time of writing.

Important

General configuration for the Downloadterminal

The **Parameter I** tab is where you enter general device data and settings for the selected Downloadterminal.

🥥 Siemens VI	00 Downloadterminal		
File Edit Displa	ay USB-Stick Tools Language Help		
Terminal list	Parameter I Parameter II Parameter III	Settings (Global) Protocol (Communication)	
	Parameter of VS-Villingen		& New
	Device-ID	00:50:C2:5C:30:01	<u>D</u> elete
	Description	VS-Villingen	<u> E</u> dit
	Language	English - English - EN 💌	
	Timezone [sec.]	0	C Save
	With daylight saving		
	daylight saving [sec.]	-3,600	X Cancel
	Duration of archive [Days]	30	Close
	min. of free storage space [MBytes]	32	
	Use global transfer directory		
	Individual transfer directory		

Parameter	Description	
Device-ID	MAC address for identifying the Downloadterminal. Once saved, this ID number cannot be changed.	
	You'll find the device ID on the type plate on the underside of the Downloadterminal.	
Description	Freely selectable text for describing the Downloadterminal, e.g. the location of the Terminal.	
Language	The language used on the Downloadterminal for user guidance. The setting made here also controls the generation of the file suffixes (DDD, A1B for France or TGD for Spain).	
	This setting will be applied by the operating system during installation of the software, but it can be changed at any time.	
Timezone [sec.]	The difference between local time and Greenwich Mean Time (GMT) in seconds.	
	This setting will be applied by the operating system during installation of the software, but it can be changed at any time.	
With daylight saving	If this check box is selected, the time will change automatically with summer and winter clock changes.	
	This setting will be applied by the operating system during installation of the software, but it can be changed at any time.	
daylight saving [sec.]	The difference between local time and summertime (daylight saving time) in seconds.	
	This setting will be applied by the operating system during installation of the software, but it can be changed at any time.	
Duration of archive [Days]	The number of days after which the data in the ARCHIVE folder in the Downloadterminal will be deleted; also see the note on <i>page 38</i> .	
	"30" is the default value. You can delete the archive by temporarily setting the duration of archive value to "0". After deletion, increase the value.	
min. of free storage space [MBytes]	The minimum size of the free storage space on the SD card. If the remaining free storage space is less than this limit value, a message to that effect will be displayed. See the note on <i>page 35</i> . The default here is 32MB.	
	If the available free storage space is less than 16 MB, the Downloadterminal will be locked. This value cannot be changed.	
Use global transfer directory	This check box is selected by default. When called by the service, downloaded files are saved in the directory which you specify in the Settings (Global) tab; selected by default.	
Individual transfer directory	When called by the service, files downloaded from this Downloadterminal are saved in this directory.	

Important

The time zone and daylight saving settings only affect the clock display. They do not affect any times saved in the downloaded files.

Configuring the connection type

The **Parameter II** tab is where you enter the connection type and the TCP/IP settings for the selected Downloadterminal (the latter for a network connection).

Important

If the Downloadterminal is to be connected to a computer (crossover cable) or to a network (hub) via the network interface, contact your network administrator – he or she will make the necessary TCP/IP settings for the connection.

If several Downloadterminals are to be used within a network, different IP addresses must be used.

erminal list Parameter I Parameter II Para	meter III Settings (Global) Protocol (Communication)	
Parameter of VS-Villinge	n	& New
Kind of connection	ТСР/ІР	a∉ <u>D</u> elete
ТСРЛР		
IP-Address	192.168.99.1	<u>∖</u> <u>E</u> dit
Subnet-Mask	255.255.255.0	
Default-Gateway	0.0.0.0	
TCP-Dataport	8000	3 <u>S</u> ave
GPRS		🗶 Cancel
Access Point Name (APN)		
Server - IP-Address / Name		
Server - Portnumber	8000	👖 Close
DNS-Server		
Username		
Password		

Parameter	Description
Kind of connection	This is where you select the connection type for the Downloadterminal; this is TCP/IP by default. Possible settings:
	USB-Direct
	The Downloadterminal is connected to a computer via the USB cable.
	TCP/IP (default setting)
	The Downloadterminal is connected to a computer (crossover cable) or a network (hub) via a network cable.
Group box TCP/IP	
IP-Address	The network address of the Downloadterminal; by default, this is 192.168.99.1 . Contact your network administrator to ascertain whether this IP address may be used or not.

Parameter	Description
Subnet-Mask	This is the network mask. Contact your network administrator to ask for the appropriate setting; the default is 255.255.255.0 .
Default-Gateway	This is the gateway of the company network. Contact your network administrator to ask for the appropriate setting; the default is 0.0.0.0 .
TCP-Dataport	This is the number of the data port being used; the default is Port 8000.

If you've made any alterations to the TCP/IP connection setting, the configuration cannot be transferred automatically via the network connection; also see the *keyword "Transmit configuration"* in the following chapter. The configuration must then be transferred to the Downloadterminal by USB stick; see *Chapter "Transferring the configuration using the USB stick"* on page 26.

Options for the next connection (data call)

In the **Parameter III** tab, you can specify whether the configuration and a software update are to be transferred to the Downloadterminal when the service initiates the next data call.

Y		
Terminal list Parameter I Parameter II Parameter	III Settings (Global) Protocol (Communication)	
Parameter of VS-Villingen		₿ <u>N</u> ew
GPRS connect 'from'	00:00:00	Delete
GPRS connect 'to'	00:00:00	<u>E</u> dit
Last complete data call	00:00:00 30.12.1899	
Start of last data call	00:00:00 30.12.1899	C Save
		X Cancel
Options for next connection		
Transmit configuration		
Transmit software update		

Parameter	Description
Transmit configurationDuring the next data call, the current configuration will be transmitted to Downloadterminal; this check box is not selected by default.	
	For more on this, also see Chapter "Operation" on page 34.

Parameter	Description
Transmit software update	During the next data call, the software update will be transmitted to the Downloadterminal; this check box is not selected by default. For more on this, also see <i>Chapter "Software update for the Downloadterminal"</i> on <i>page 38</i> .

ImportantIf you've made any alterations to the TCP/IP connection settings, the
configuration cannot be transmitted automatically via the network connection.
The configuration must then be transferred to the Downloadterminal by USB
stick; see Chapter "Operation" on page 34.

Automatic transmission of the configuration will also be prevented if you have not selected the **Transmit configuration** check box for a USB or network connection.

System settings for the software

In the **Settings (Global)** tab, you can, for example, set the time interval between data calls from the Downloadterminal or from the directory in which downloaded files are saved.

erminal lis	st Parameter I Parameter I	Parameter III Settings (Global) Protocol (Communication	on)
	Polling-interval per 'Termin	1" [min.]	& <u>N</u> ew
	Directory of software-Updat	,	<u> D</u> elete
	C:\Program Files\Terminal	ownload\Firmware Update 🛛 🗃	🔊 Edit
	directory of downlodad files C:\Program Files\Terminal	townload\Downloaded Files 💰	Save
	Error protocol file	max. protocol records Filesize	X Cancel
	Start program with windows automatically	Г	
G	iPRS - Server		
	IP-Address / Name	•	
	Portnumber	0	

Parameter	Description
Polling-interval per 'Terminal' [min.]	The time intervals, during which the service sets up a connection to the Downloadterminal to call data or to transmit the configuration and a software update; the default is 1 minute.

Parameter	Description
Directory of software- Update	The directory in which a new version of the device software is stored; e.g. "C:\Programs\Terminal Download\Firmware Update".
Directory of downloaded files	This is the directory in which the downloaded files of all Downloadterminals are saved when the service initiates a data call; e.g. "C:\Programs\TerminalDownload\Downloaded Files".
	If you want to save the data of an individual Downloadterminal to another directory, you can specify this directory in the Parameter I tab under Individual transfer directory . To do this, you must change the configuration of the relevant Downloadterminal.
Error protocol file	The PROTOCOL-GhostDownloadService.CSV error protocol file is saved in the installation directory; e.g. "C:\Programs\Terminal Download\".
max. protocol records	This is the maximum number of entries in the error protocol; the default is 1000 entries.
• Filesize	This is the maximum size of the error protocol file. When the maximum size is attained, earlier entries in the file will be overwritten by new entries; the default here is 250 kB.
Start program with Windows automatically	If this check box is selected, the software will be automatically started when the operating system is booted up.

Transferring the configuration

In the case of a USB or network connection, a modified configuration will be transmitted to the Downloadterminal by the service (if the relevant function is selected; also see *Chapter "Options for the next connection (data call)"* on *page 23*.

Transfer of the configuration with a USB stick is necessary if you

- have not selected the option for automatic transmission,
- are operating the Downloadterminal as a self-contained unit,
- have changed the IP address of the Downloadterminal while connected to a network.

Important

In order to transmit the configuration with a USB stick, you must prepare the stick using the software. Two files are saved on the USB stick during this procedure:

- The **Nut.CFG** file contains configuration information like the device ID and the user guidance language.
- The **Language.*** file contains the display texts for the stored language.

Transferring the configuration using the USB stick

To transfer the configuration to the Downloadterminal using a USB stick:

- 1 Plug the USB stick into a free USB port on the computer.
- 2 If you have not already done so, start the software program. The program window with the **Terminal list** is displayed.

Q	Siemens VDO E)ownloadte	rminal					
File	Edit Display		ools Language Help					
r	Terminal list	Prepare US	B-Stick for Terminal-Download	ttings (Global)	Protocol (Commu	nication		
Ē	Device-ID		guration to USB-Stick	Kind of	Last complete		Т	
		Save Softw	vare-Update to USB-Stick 🗟	connection	data call	configuration	\$(避 <u>N</u> ew
ł	00:50:C2:5C:3	30-01	VS-Villingen / DLT2	TCP/IP	00:00:00 30.1	Nein	N	
t	00:50:C2:5C:3		VS-Villingen / DLT1	USB-Direct	00:00:00 30.1		N	<u>∦ D</u> elete
								N. Delete
								<u>∖</u> <u>E</u> dit
								C Save
							=	Cy Dave
								💥 Cancel
								Close
	< 📖						>	

- 3 Select the appropriate Downloadterminal entry (the configuration of which you wish to transfer using the USB stick).
- 4 Now click the "USB-Stick" menu and select "Save configuration to USB Stick...". The drive selection dialogue box for the USB stick will now open up.
 - All you have to do now is select the USB stick. You don't have to select a folder.
- 5 Select the USB stick and click on [OK].

The ... - Save configuration to external data carrier dialogue box will now be displayed.



Important

6 Confirm with [OK].

The Nut.CFG and Language.* files will now be saved to the USB stick.

7 Insert the USB stick into the USB port on the top of the Downloadterminal.

The configuration will now be transferred to the Downloadterminal. If transfer was successful, a "Finished" message will be displayed.

Important

The configuration can only be transferred to one Downloadterminal. For more Terminals, you must save a new configuration file on the USB stick with the software and then carry out the transfer procedure.

Commissioning

You should now have installed both software and USB drivers (where necessary). You have also installed and started the service. The next step is to commission the Downloadterminal and to configure it.

Commissioning – Stand-alone mode

For Stand-alone mode, follow the steps below to commission the Downloadterminal:

1 If you have not already done so, launch the software program and go to the "Terminal list" tab.

The **Terminal list** with the Downloadterminals will be displayed.

Q	🦻 Siemens VDO Downloadterminal						
Fil	File Edit Display USB-Stick Tools Language Help						
ſ	Terminal list Parameter I	Parameter II Parameter III Sel	tings (Global) F	Protocol (Commu	nication)		
	Device-ID	Description	Kind of connection	Last complete data call	Transmit configuration	Tran soft v upda	₽ <u>N</u> ew
	▶ 00:50:C2:5C:30:12	VS-Villingen /DLT1	USB-Direct	00:00:00 30.1	Ja	Nein	
							2 Delete
							<u> </u>
							3 Save
							💥 Cancel
							,
						>	Lose
							,

2 Click on [New].

The **Parameter I** tab will now be displayed.

	'DO Downloadterminal		
File Edit Disp	olay USB - Stick Tools Language Help		
Terminal lis	t Parameter I Parameter II Parame	eter III Settings (Global) Protocol (Communication)	
[Parameter of ???		& New
	Device-ID	00:50:C2:5C:30:	<u>⊉</u> elete
	Description	???	<u>∖</u> <u>E</u> dit
	Language	English - English - EN 💌	
	Timezone [sec.]	0	Save
	With daylight saving	—	X Cancel
	daylight saving [sec.]	-3,600	
	Duration of archive [Days]	30	
	min. of free storage space [MBytes]	32	
	Use global transfer directory	V	
	Individual transfer directory		

3 Complete the device ID.

Apart from the last two digits, the ID is provided for you.

Important

You'll find the device ID on the type plate on the underside of the Downloadterminal.

- 4 Check and change the settings (where necessary) in
 - the "Parameter I" tab.

See Chapter "General configuration for the Downloadterminal" on page 20.

- the "Settings (Global)" tab.

See Chapter "System settings for the software" on page 24.

5 Accept the settings for the Downloadterminal with [Save].

Important

When commissioning the Downloadterminal via a network connection, you must transfer the configuration to the Terminal using a USB stick.

6 Transfer the configuration of the Downloadterminal with a USB stick.

See Chapter "Transferring the configuration using the USB stick" on page 26.

The Downloadterminal is now ready for operation (commissioned) and you can start downloading driver cards and Downloadkeys; see *Chapter "Operation"* on *page 34*.

Commissioning – USB connection

To commission the Downloadterminal via the USB interface, the USB drivers Condition must first be installed. Connect the USB cable to the computer after installation has taken place and after the software has started. Only then can the software recognise the new Downloadterminal; see Step 3. For USB interface connection, follow the steps below to commission the Downloadterminal: 1 Remove the USB cable of the Downloadterminal from the computer (if you haven't already done so). Start the "Siemens VDO Downloadterminal" software. 2 Plug the USB cable of the Downloadterminal into a free port of the computer. 3 The software will recognise that a new Downloadterminal has been found and will ask if it should be included in the Terminal list. Siemens VDO Downloadterminal - New downloadterminal recognized 👂 A new downloadterminal with device-ID '00:50:C2:5C:30:12 ' is recognized 9 Do You want to pick up the device to the terminalist and create a new entry ? Yes No

4 Confirm with [Yes].

The Downloadterminal with its device ID will now be added to the Terminal list and the software will automatically go to the **Parameter I** tab.



The device ID is used for Downloadterminal identification. You'll find this ID number on the type plate on the underside of the Downloadterminal; also see *keyword "Device-ID"* on *page 21*.

File Edit Display USB - Stock Tools Language Help Terminal list Parameter I Parameter II Parameter III Settings (Global) Protocol (Communication) Parameter of ??? Device-ID 00:50:C2:5E:30:12 Description ??? Language English - English - EN Timezone [sec.] 0 With daylight saving -3,600 Duration of archive [Days] 30	
Parameter of ??? Device-ID 00:50:C2:5C:30:12 Description ??? Language English - English - EN Timezone [sec.] 0 With daylight saving - daylight saving [sec.] -3.600	
Device-ID 00:50:C2:5C:30:12 Description ??? Language English - English - EN Timezone [sec.] 0 With daylight saving - daylight saving [sec.] -3,600	
Description ??? Language English - EN Timezone [sec.] 0 With daylight saving daylight saving [sec.] -3.600	A New
Language English - English - EN Timezone [sec.] With daylight saving daylight saving [sec.]	<u>è D</u> elete
Timezone [sec.] 0 With daylight saving daylight saving [sec.] -3,600	<u>∑</u> <u>E</u> dit
With daylight saving daylight saving [sec.] -3,600	
daylight saving [sec.]	C Save
	han ha
Duration of archive [Days] 30	X Cancel
	Close
min. of free storage space 32 [MBytes]	
Use global transfer directory	
Individual transfer directory	

- 5 Check and change the settings (where necessary) in
 - the "Parameter I" tab.

See Chapter "General configuration for the Downloadterminal" on page 20.

- the "Parameter III" tab.

See Chapter "Options for the next connection (data call)" on page 23.

- the "Settings (Global)" tab.

See Chapter "System settings for the software" on page 24.

6 Accept the settings for the Downloadterminal with [Save].

The Downloadterminal is now ready for operation (commissioned) and you can start downloading driver cards and Downloadkeys; see *Chapter "Operation"* on *page 34*.

Commissioning – Network connection

!	Important	Plug the network cable into the computer after configuration has taken place and the configuration has been transmitted to the computer (or network). Connection is only possible after configuration transmission has occurred.
		When the Downloadterminal is to be connected to the network interface of a computer (crossover cable) or a network (hub), follow the steps below to commission the Downloadterminal:
	1	Remove the network cable of the Downloadterminal from the computer/network (if you haven't already done so).
	2	If you have not already done so, start the software program and go to the "Terminal list" tab.

The Terminal list with the Downloadterminals will be displayed.



3 Click on [New].

The Parameter I tab will now be displayed.
Edit Display USB - Stick Tools	Language Help		
erminal list Parameter I Par	meter II Parameter	III Settings (Global) Protocol (Communication)	
Parameter of	???		& New
Device-ID		00:50:C2:5C:30:	<mark>≵∲</mark> <u>D</u> elete
Description		???	S Edit
Language		English - English - EN 💌	
Timezone [sec.]		0	C Save
With daylight savi	-		X Cancel
daylight saving [se	c.]	-3,600	
Duration of archiv	[Days]	30	
min. of free storag [MBytes]	space	32	
Use global transfe	directory	$\overline{\mathbf{v}}$	
Individual transfer	directory		

4 Complete the device ID.

Apart from the last two digits, the ID is already entered.

The device ID is used for Downloadterminal identification. You'll find this ID

The device ID is used for Downloadterminal identification. You'll find this ID number on the type plate on the underside of the Downloadterminal; also see *keyword "Device-ID"* on *page 21*.

- 5 Check and change the settings (where necessary) in
 - the "Parameter I" tab.

See Chapter "General configuration for the Downloadterminal" on page 20.

- the "Parameter II" tab

See Chapter "Configuring the connection type" on page 22.

- the "Parameter III" tab.

See Chapter "Options for the next connection (data call)" on page 23.

- the "Settings (Global)" tab.

See Chapter "System settings for the software" on page 24.

6 Accept the settings for the Downloadterminal with [Save].

Important

Important

If you've changed the TCP/IP connection settings, you must transfer the new configuration to the Downloadterminal using a USB stick; see *Chapter "Transferring the configuration using the USB stick"* from page 26.

- 7 Transfer the configuration of the Downloadterminal with a USB stick.See Chapter "Transferring the configuration using the USB stick" on page 26.
- 8 Now connect the Downloadterminal to the computer or network via the network interface.

The Downloadterminal is now ready for operation (commissioned) and you can start downloading driver cards and Downloadkeys; see *Chapter "Operation"* on *page 34*.

Operation

The Downloadterminal is now ready for operation and you (or your drivers) can start downloading driver cards and Downloadkeys.

Reading data

Important	The Downloadterminal is ready to download a driver's card or the data on a Downloadkey when "Insert card / Insert Key" is shown in an alternating display.
	The date and time are displayed in the second line of the display.
Important	The following information on the downloading of data is also very important – read the next <i>Chapter "Data transfer"</i> on <i>page 35</i> carefully.
	Download the data from driver cards or Downloadkeys to the Downloadterminal as follows:
1	lf you
	 want to download the data on a driver card, insert it (with the chip towards the USB port) into the card reader on the top of the Downloadterminal.
	The Downloadterminal will now copy the data from the driver card (in the form of a file) to the NEW folder on the memory card; for more on this, also see <i>Chapter "Memory card"</i> on page 4.
	A message is displayed on the Downloadterminal screen when copying has finished.
	 want to download the data on a Downloadkey, insert it into the USB port on the top of the Downloadterminal.
	The Downloadterminal will now copy all the files (one after the other) in the key's Download folder to the NEW folder on the memory card; for more on this, also see <i>Chapter "Memory card"</i> from <i>page 4</i> .
	A message is displayed on the Downloadterminal screen when copying has finished.
f Caution	Do not remove the driver card or the Downloadkey, while data is being downloaded. This could damage the data and even destroy the driver card or the Downloadkey.

Important		The simultaneous downloading of a driver card and a Downloadkey is not possible.
	2	Remove the driver card or the Downloadkey from the Terminal. In the display of the Downloadterminal, a message asking you to insert either a driver card or a Downloadkey will be displayed – you can now download more data.
Important		You can configure a minimum value for the available memory capacity of the internal memory. If less memory than the defined value is available, a message to this effect will be displayed; also see <i>Chapter "General configuration for the Downloadterminal"</i> on <i>page 20</i> .
		If the available free storage space is less than 16 MB, the Downloadterminal will be locked. This value cannot be changed.
Data transfer		
		You have downloaded the data from a driver card or a Downloadkey. This

chapter describes how this data gets to a computer.

Important

You cannot directly access a computer or network via the USB port of the Downloadterminal.

Data transfer by USB or network cable

Calling up the data that is saved on the Downloadterminal is carried out by the Siemens VDO Downloadterminal service. The service checks for new data on the Downloadterminal after definable intervals. If new data is available, it is saved in a directory that has been predefined in the software; see *Chapter "System settings for the software"*, *keyword "Polling-interval per 'Terminal' [min.]"* and *keyword "Directory of downloaded files"* on page 24.

Important

When the service instigates a data call, the files in the internal memory of the Downloadterminal are moved from the **NEW** folder to the **ARCHIVE** folder; also see *Chapter "Memory card"* on *page 4*. The files remain in this folder until they are automatically deleted after a pre-defined period of time; see *Chapter "General configuration for the Downloadterminal"*, *keyword "Duration of archive [Days]"* on *page 21*.

The service will perform a data call without the software having to be booted up. The call up takes place automatically in the background.

Data transfer via a USB stick

If you use the Downloadterminal as a self-contained unit, you must transfer the data from the Downloadterminal to a computer using a USB stick.

$\overline{\mathbf{V}}$	Condition	The USB stick must be pre-prepared each time data is called up from the Downloadterminal.
		The software saves a file containing the device ID of the Downloadterminal to the USB stick, enabling access to the data of the Downloadterminal.
		Without this information, no files can be copied from the Downloadterminal to the USB stick.
!	Important	The following steps must be repeated for every data transfer from a Downloadterminal.
		To transfer the files saved in the Downloadterminal to a USB stick:

- 1 Plug the USB stick into a free USB port on the computer.
- 2 Start the "Siemens VDO Downloadterminal" software".

The program window with the Terminal list is displayed.

Important

Siemens VDO							
ile Edit Display	Prepare US	Fools Language Help iB-Stick for Terminal-Download	र :ttings (Global) ।	Protocol (Commu	nication)		
Save configuration to USB-Stick Save Software-Update to USB-Stick		Kind of connection	Kind of Last complete Transmit Ti A connection data call configuration sc			🗳 <u>N</u> ew	
00:50:C2:5C:	30:01	VS-Villingen / DLT2	ТСРЛР	00:00:00 30.1	Nein	N	
▶ 00:50:C2:5C:	30:12	VS-Villingen / DLT1	USB-Direct	00:00:00 30.1	Ja	N	Delete
							<u> </u>
							C Save
							💥 Cancel
						~	Lose

- 3 Select the appropriate Downloadterminal (the data of which you wish to transfer to the USB stick).
- 4 In the "USB-Stick" menu, select "Prepare USB-Stick for Terminal-Download...". The window in which you choose a drive for the USB stick will be displayed.

All you have to do now is select the USB stick. You don't have to select the **NEW** folder. The files will be copied automatically from this folder to the USB stick when you insert the stick into the Downloadterminal.

5 Select the USB stick and click on [OK].

The - Prepare USB-Stick for Terminal-Download dialogue box is now displayed.



- 6 Confirm with [OK].
- 7 Insert the USB stick into the USB port on the top of the Downloadterminal.The 00-50-C2-5C-30-xx.UPL file will now be copied to the USB stick.

<u>!</u>	Important	 When the service instigates a data call, the files in the internal memory of the Downloadterminal are moved from the NEW folder to the ARCHIVE folder; also see <i>Chapter "Memory card"</i> on <i>page 4</i>. The files remain in this folder until they are automatically deleted after a pre-defined period of time; see <i>Chapter "General configuration for the Downloadterminal"</i>, <i>keyword "Duration of archive [Days]"</i> on <i>page 21</i>.
•	Тір	You can prepare the USB stick for downloading from several Terminals by carrying out <i>Step 3</i> to <i>Step 6</i> for each Downloadterminal from which you wish to download files.

Miscellaneous

Software update for the Downloadterminal

You have received a software update for the Downloadterminal – now you want to transmit it to the Terminal.



If the Downloadterminal is connected via a USB or network cable, first check in the **Parameter III** tab whether the **Transmit software update** option has been selected before you begin carrying out the following steps; see *Chapter "Options for the next connection (data call)"* on *page 23*.

To carry out a Downloadterminal software update:

• Copy the "NutApp.Bin" file to the directory for the software update.

Set this directory in the **Settings (Global)** tab; see *Chapter "System settings for the software"* on *page 24*.

In the case of a USB and network connection, the device software update will automatically be transmitted at the next data call/connection, if you have selected the **Transmit software update** option.

Important

If you are using the Downloadterminal as an independent unit, the software update must be transferred by means of a USB stick; for more on this, see the following *Chapter "Transmitting the device software update by means of a USB stick"*.

Transmitting the device software update by means of a USB stick

Important	In order to transmit the software update with a USB stick, you must prepare the stick using the software. Three files are saved on the USB stick during this procedure:

- The NutApp.Bin file contains the new parameters of the device software.
- The **Nut.CFG** file contains configuration information like the device ID and the user guidance language.
- The Language.* file contains the display texts for the stored language.

To transmit the device software update to the Downloadterminal using a USB stick:

- 1 Plug the USB stick into a free USB port on the computer.
- 2 Start the "Siemens VDO Downloadterminal" software (if you haven't already done so).

The program window with the **Terminal list** is displayed.

Q	Siemens VDO Dov	wnloadter	rminal						
Fil	e Edit Display US	iB - Stick T	ools Language Help	_					
ſ	Terminal list F		B-Stick for Terminal-Download	ttings (Global)	Protocol (Commu	nication)			
			uration to USB-Stick are-Update to USB-Stick	Kind of connection	Last complete data call	Transmit configuration	Ti 🐴 sc uj	🗳 <u>N</u> ew	
	00:50:C2:5C:30:		VS-Villingen / DLT2	TCP/IP	00:00:00 30.1	Nein	N		
	▶ 00:50:C2:5C:30:	:12	VS-Villingen / DLT1	USB-Direct	00:00:00 30.1	Ja	N	💉 <u>D</u> elete	
								<u>∖</u> <u>E</u> dit	
							11	@ <u>S</u> ave X Cancel	
							~	Lose	

- 3 Select the appropriate Downloadterminal entry (to which you wish to transmit the update using the USB stick).
- 4 In the "USB-Stick" menu, select the "Save Software-Update to USB-Stick ...".

The drive selection dialogue box for the USB stick will now open up.



All you have to do now is select the USB stick. You don't have to select a folder.

5 Select the USB stick and click on [OK].

The ... - Save Software-Update to data carrier ... dialogue box will now be displayed.

Siemen	s VDO Downloadterminal - Save Software-Update to data carrier 🛛 🗙
(į)	Save Software-Update to data carrier - Ok !
	OK

6 Confirm with [OK].

The **Nut.CFG**, **NutApp.bin** and the **Language.*** files will now be saved to the USB stick.

7 Insert the USB stick into the USB port on the top of the Downloadterminal.

The device software update will now be transmitted to the Downloadterminal. The Downloadterminal will then boot up with the new device software.

Important

The software update can only be transmitted to one Downloadterminal. For more Terminals, you must save a new update on the USB stick and then transmit to the Downloadterminal.

Removing the software

This could be necessary if, for example,

- during installation a malfunction has occurred, e. g. caused by an active virus scanner as a result of continuous file checking.
- the software is to be installed on another computer and is no longer required on the current PC.

Important

Before removing the software, back up the files that have already been downloaded from the Downloadterminal. You'll find these files in the program directory of the application, e.g.

"C:\Programs\Terminal Download\Downloaded Files".

To remove the "Siemens VDO Downloadterminal" software:

1 Close all active programs to avoid errors during removal.

This especially applies to active virus scanners since these register the changes to the files, causing possible resource conflicts.

2 Open the installed software list box by selecting "[Start] > "Control Panel" and double-clicking on "Add or Remove Programs".

The list window will open up.

3 Scroll down and select "Siemens VDO Downloadterminal".

Details about the selected software will be displayed, including the [Change/ Remove] tabs.

Add or Re	move Programs			
5	Currently installed programs:	Sort by: Name		*
Change or	Terrorrog (Symantoc Corporation)	JI20	2,0000	~
Remove Programs	YuveUpdate 1.80 (Symantec Corporation)	Size	4.81MB	
	體 Microsoft .NET Framework 1.1			
	🛐 Microsoft MapPoint Europa 2004	Size	946.00MB	
Add <u>N</u> ew Programs	🔀 Microsoft SQL Server Desktop Engine	Size	69.07MB	
Frograms	🏷 Norton Ghost	Size	22.83MB	
6	Sentinel Protection Installer 7.3.0	Size	2.56MB	
dd/Remove	🥥 Siemens VDO Downloadterminal	Size	<u>5.95MB</u>	
Windows		Used	frequently	
		Last Used On	21/11/2006	
	To change this program or remove it from your computer, click Change/Remove.	Chang	ge/Remove	
et Pr <u>o</u> gram Access and	SnagIt 7	Size	18.16MB	รั
Defaults	🕰 Snapshot Viewer 8.0	Size	1.01MB	

4 Click on [Change/Remove] to start removing the software from the system.

An "Are you sure you want to remove....?" query will be displayed.

Removal Wizard 5 Confirm with [Yes] to start the Removal Wizard.

The progress of the removal procedure will be displayed.

6 Confirm that removal is finished with [OK].

The computer may have to be restarted so that the operating system can delete all program components without any problems.

ImportantPlease note that after the removal procedure you should check whether all
software components have actually been removed.

Using Windows[®] Explorer, delete the **Terminal Download** folder (if it hasn't already been removed) in the installation directory of the configuration software, e.g. in "C:\Programs".

In the Windows Registry, delete the following keys (if they haven't already been removed):

- HKEY_LOCAL_MACHINE\SOFTWARE\Kienzle System GmbH and
- HKEY_LOCAL_MACHINE\SOFTWARE\KS System GmbH, Mülheim.

Disposing of the Downloadterminal

The Downloadterminal must not be treated as household rubbish and disposed of as such!

Dispose of the Downloadterminal in compliance with your country's legal and valid regulations for the disposal of electronic and electrical appliances.

Accessories

Wall console

Using the wall console, you can securely attach the Downloadterminal to a wall.

Delivery schedule and technical data

Delivery schedule	Wall console		
	• 2 screws 3.9 X 9 mm for the Downloadterminal		
	 2 screws M6 X 40 for mounting the console on a wall using dowels or through-hole technology 		
	2 nuts M6		
	2 wall dowels		
Dimensions	L 90 x W 90 x H 90 mm		
Weight	Terminal: 0.2 kg		
Mounting	2 wall screws, distance 70 mm		

Mounting the wall console

You can use dowels to screw the console to the wall or – in the case of walls less than 35 mm thick – use the screws and nuts for through-hole technology.

In both cases, the boreholes for the screws must be 70 mm apart.



Hold the console in the position you want it mounted and mark off the borehole positions.

Mounting the wall console on the Downloadterminal

- Important
 Use only the supplied screws (3.9 x 9) for mounting the wall console on the Downloadterminal.

 Mount the wall console on the Downloadterminal as follows:
 1

 Disconnect the power supply of the Downloadterminal (if it's connected).

 Use a fine drill (1 to 2mm) to bore holes in the pre-marked positions in the housing base this will provide the screws with a better grip.

 Important
 Caution! When drilling, do not penetrate deeper than 3mm into the housing base. Otherwise you could damage the Downloadterminal's mainboard irreparably.
 - 2 Screw the wall console and the Downloadterminal together, as shown in the following illustration.

