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# Quick Start Guide Installation of the LDSWin PC software

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# ECKELMANN

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Before installation and use, please check that this is the latest version of the document. With the publication of a new version of the documentation, all previous versions lose their validity.

We expressly accept no responsibility for errors and omissions and reserve the right to make technical changes.

The current operating manual and information such as data sheets, more detailed documentation and FAQs are available for you on-line in E°EDP (Eckelmann ° Electronic Documentation Platform) at **www.eckelmann.de/ldswin**.



All relevant documentation can be reached directly by scanning the QR code.

Information for safety and connection instructions is described in detail in the "*Basics and General Safety and Connection Instructions*" operating manual.

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# Installation of the LDSWin PC software

This Quick Start Guide describes the installation of the LDSWin PC software and is an extract from the operating manual. The complete operating manual can be found at www.eckelmann.de/ldswin

## 1.1 System Requirements

A USB dongle including licence code (included in the scope of delivery) is required to be able to use all of the functions of the software.

The software is provided as Download / Update in E°EDP for registered customers. The current version of the software (packed in a ZIP archive) can be found at

### www.eckelmann.de/ldswin

The ZIP archive must be unpacked to a directory after the download. Among others, the Setup.exe file that is required for the installation can be found there.

The desktop PC / notebook should meet the following minimum requirements:

- Operating systems Windows 10 / Windows 8 / Windows 7
- Screen resolution  $\geq$  1024 x 768 pixels; 16-bit colours
- Hard disk  $\geq$  2 GB free space
- RAM ≥ 512 MB
- 1 x USB port a slot for the USB dongle

Depending on the application area, at least one of the following interfaces must be available for the connection with E\*LDS systems:

- 1 x Ethernet (RJ45) or WLAN for the TCP/IP based communication with the CI 4000 series system centre or via Combi Gateway for the CI 3000 series store computer (in local networks and via Internet with VPN infrastructure).
- 1 x USB port for direct coupling with UA 400 series controllers or the CI 4000 series system centre
- 1 x serial interface (RS232)
  - for industrial modems from Eckelmann
  - for direct coupling with system centre / store computer or CAN bus-PC adapter
  - for the TTY interface on UA 300 series case controllers or of the VS 300 pack controller

If no RS232 interface is present in the desktop PC / notebook, the computer must be fitted with this:

- Desktop PC: PCI COM port card
- Notebook: PCMCIA COM port adapter

A USB COM port adapter is not recommended!



# 1.2 Installing LDSWin

**Attention: data loss!** If a new installation is made to a directory of an already existing LDSWin version, all data of the original installation will be lost as these will be overwritten! Therefore all existing stores **must** be backed up before the installation of any update!

Attention: The USB dongle must not be plugged in **until after** the installation of the PC software!

Administrator rights are needed for the installation of LDSWin under Windows. The user must also be granted full read and write access to the LDSWin directory for subsequent working.

Carefully read and observe the following installation instructions.

• Now execute the *Setup.exe* file with administrator rights so that the installation dialogue starts:





• Click on Next and follow the installation instructions carefully:

DS für Windows 2 Setup		
Readme-Informationen		
Installationshinweise		
Installationshinweise zu LDS <sup>1</sup>	Win2	^
A C H T U N G: Wichtige Hin	nweise III	
Zur Installation der LDSWin- erforderlich. Ohne diese Rec Sentinel-Treiber nicht installie	Software sind Administratoren-Rechte hte kann die BDE5.11 und der rt werden.	
I. Systemanforderungen		~
<		>
tallShield ————		
	< Zurück Weit	ter > Abbrechen

• Select whether you would like to install LDSWin as a new installation or update an existing installation and confirm with **Next**. Only the new installation is described initially below.

The cases for an *Update* or *multiple installations* of different LDSWin versions on one computer are described in the two sections on page 9.

Setuptyp		
Wählen Sie den Setuptyp, der Ihren Erfordernissen an entspricht.	n besten	
Klicken Sie auf den von Ihnen bevorzugten Setup-Ty	p.	
Neuinstallation	Beschreibung	
Update einer LDS für Windows 2.x Installation		
allShield		



- ECKELMANN
- **New installation**: Select the target directory in which LDSWin should be installed. During the new installation, a directory is created automatically on the Windows system partition (usually *C*:) with the name and the version number

(e.g. C:\LDSWin2.x.x.xxxx). However, you can also select a different directory that you have previously created.



 Select the program directory that should be created for LDSWin. This will be displayed later with the LDS symbol in the Start menu Click on Next.

rogrammoruner auswanien		
Bitte wählen Sie einen Programmor	rdner aus.	
Setup fügt dem unten aufgeführten	n Programmordner neue Symbole hinzu. Sie könr	nen einen
Programmerdher:	er einen vornandenen Ordner aus der Liste ausw-	anien.
LD'S für Windows 2.4.2.4019		
Vorhandene Ordner:		
Accessibility		^
Accessories		
Administrative Loois		
LOMITE atalust Lontrol Lenter		
AMD Lataiyst Control Lenter		
AMD Catalyst Control Center AMD Quick Stream Avira		
AMD Catalyst Control Center AMD Quick Stream Avira CodeMeter		
AMD Latayst Control Lenter AMD Quick Stream Avira CodeMeter Conexant Dolbu		<i>.</i>
AMD Latayst Control Center AMD Quick Stream Avira CodeMeter Conexant Dolby		~
AMD Latayst Control Lenter AMD Quick Stream Avira CodeMeter Conexant Dolby		~



• Check the installation settings again and then start the installation with **Next**. Use the **Back** button if you would like to make changes.

DS für Windows 2 Setup		>
Kopiervorgang starten		
Einstellungen vor dem Kopieren überprüf	en.	
Zum Kopieren der Programmdateien sind Zurück, wenn Sie die Einstellungen über Einstellungen zufrieden sind, klicken Sie	genügend Informationen vorhand prüfen oder ändern möchten. We auf Weiter, um die Dateien zu ko	den. Klicken Sie auf nn Sie mit den pieren.
Aktuelle Einstellungen:		
Zusammenfassung der Installationseinst	ellungen	~
Zielverzeichnis: C:\LDSWin2.4.2.4019		
Programmordner: LDS für Windows 2.4.2.4019		
		v
15		-
stallShield		

- Other components that are needed for the correct operation of LDSWin are installed after the actual installation of LDSWin. Simply follow the installation dialogue. The following components will be installed:
  - Borland Database Engine in the directory C:/bde (a universal database interface that is used by LDSWin)
  - Sentinel System Driver (driver for the USB dongle)
  - CodeMeter Runtime (Windows service with control centre that is displayed in the taskbar after the installation and enables access to the USB dongle)
- Restart the computer to complete the installation.

LDS für Windows 2 Setup	InstallShield Wizard abgeschlossen InstallShield Wizard hat LDS für Windows erfolgreich installiert. Der Computer muss neu gestartet werden, bevor das installierte Programm verwendet werden kann. Ja, Computer jetzt neu starten. Nein, Computer wird später neu gestartet. Nehmen Sie alle Disketten aus den Laufwerken, und klicken Sie anschließend auf Beenden, um das Setup abzuschließen.
	< Zurück <b>Fertigstellen</b> Abbrechen

• **Important!** Do not plug the USB dongle into a USB socket **until after** you have logged into Windows again. This will be automatically detected by the operating system.



**Note**: A USB dongle can also be used alternately on multiple computers; however it usually remains fixed to one desktop PC / notebook.



Similar to illustration

 Check whether the user has the required permissions for the directories C:\BDE and C:\LDSWin2.x.x.xxxx. If necessary, grant lacking authorisations (via context menu > Properties > "Security" tab) and add other users who would like to use LDSWin on this computer.

Checkmarks must be set in the following checkboxes: Modify; Read & execute; List folder contents; Read; Write

Berechtigungen für "LDSWin	2.4.2.4019"	×		
Sicherheit				
Objektname: C:\LDSWin2.4.2	4019			
Gruppen- oder Benutzemamen:				
Authentifizete Benutzer  System  Administratoren (DESKTOP-6NDSMNG\Administratoren)  Benutzer (DESKTOP-6NDSMNG\Benutzer)				
	Hinzufügen	Entfernen		
Berschligungen für "Authentifiziet Benutzer"	Hinzufügen 9 Zulassen	<u>E</u> rtførnen Verweigern		
Berjachtigungen für "Authentifiziet Benutzer" Volzugrff	Hinzufügen <sup>8</sup> Zulassen	Entfernen Verweigem		
Berechtigungen für "Authentifiziert Benutzer" Volzugrff Ändem	Hinzulügen B Zulassen	Entfernen Verweigem		
Berechtigungen für "Authentifiziert Benutzer" Volzugrff Andem Lezen. Ausführen	Hinzufügen 8 Zulassen	Entfernen Verweigem		
Berechtigungen für "Authentifiziert Benutzer" Vollzugrff Ändem Lezen, Ausführen Ordnernhalt anzeigen	Hinzufügen 8 Zulassen 9 9 9 9 9	Entfernen Verweigem		
Berechtigungen für "Authentifiziet Benutzer" Volzugrff Ändem Lesen. Ausführen Ordnernhalt anzeigen Lesen	Hinzulfügen B Zulassen M M M M M M M M M M M M M	Entfemen Verweigem		
Berechtigungen für "Authentifiziet Benutzer" Volzugrff Ändem Lesen, Ausführen Ordnernhalt anzeigen Lesen	Hinzufügen	Verweigem		

• You can now start LDSWin for the first time via the newly created program entry in the Start menu (or directly using the file LDSWin2.exe in the directory where you have installed LDSWin).



• Login with the supplied passwords for the user priority 1 (with setpoint change) and 0 (without setpoint change) to check whether the authentication functions. You receive a notification with the user priority for the confirmation. In the case of incorrect input, you are requested to enter the password again.

swort-Dialog		
Passwort eingeben:		
*****		
✓ Einsatzleitung besetzt		Easy-Mode
ОК	Abbrechen	Passwort ändern

Note: The login options for "*Dispatcher manned*" and "*Easy Mode*" are explained in detail in the operating manual.

**Attention! Security Note!** It is strongly recommended to change the passwords set at the factory immediately after the installation! For detailed information, see the *Changing and adding passwords* chapter.

- After the successful login, the screen for the store selection is initially displayed; however this is still empty for a new installation. Click on **Cancel**, further information can be found in the operating manual in the *Opening Store* chapter.
- Login again via the menu File > Login again ....

### 1.3 Changing and adding passwords

There are passwords with two authorisation levels for LDSWin that independently from the USB dongle (i.e. also for the demo version) define whether the user may change setpoints or not. Passwords have been defined at the factory for both user priorities that are included with the USB dongle.

• User priority 0 - without setpoint change The functionality of the program is restricted for users with this authorisation level. They cannot make any changes to program settings. Among other things, this concerns the creation and modification of scripts, forms, stores etc.

#### • User priority 1 - with setpoint change The full functionality of the program is available for users with this authorisation level.



Attention! Security Note! It is strongly recommended to change the passwords set at the factory immediately after the installation!

- Click on Change password in the login dialogue.
- Enter a new password.
- Confirm your input with **OK**.

Altes Passwort	******
Neues Passwort:	****
Neues Passwort wiederholen:	*****

**Practical tip:** It is recommended to choose a password that meets certain minimum requirements for a secure password. Recommendations and tips for passwords can be found on the website of the *Bundesamt für Sicherheit in der Informationstechnik (German Federal Office for Information Technology Security).* 

Lowercase and upper case letters, umlauts, special characters and numerals can be used in LDSWin. Up to 20 characters can be entered.

#### Add additional passwords

- Login with user priority 1.
- Select File > Create new password in the menu.
- Enter a new password and specify the desired user priority using the *With setpoint* change permissions checkbox

(checkmark = user priority 1; no checkmark = user priority 0).

• Confirm your input with **OK**.

Altes Passwort	
Neues Passwort:	*****
Neues Passwort wiederholen:	*****
Mit Sollwertänderungsrechten	

Only users with user priority 1 are permitted to create new passwords. Please note that LDSWin, in addition to the passwords for LDSWin, also has enhanced user management for individual stores with integrated building management system. Detailed information for this can be found in the *BMS users and authorisations for system visualisations* chapter in the operating manual.



# 1.4 Updating LDSWin

The *LDSWin* program must previously be closed before executing the *Setup.exe* file!

As well as a new installation, the installation program also provides the option to update older versions of LDSWin to the new version.

LDS für Windows 2 Setup <b>Setuptyp</b> Wählen Sie den Setuptyp, der Ihren Erfordernissen am bes entsmicht	sten ×
Klicken Sie auf den von Ihnen bevorzugten Setup-Typ. Neuinstallation Update einer LDS für Windows 2 x Installation	Beschreibung
InstallShield < Zuriu	k Weiter> Abbrechen

The following data of the old version are retained for an update:

- All stores and the associated data (operating data, setpoint and actual value archives and store layouts)
- All forms
- All scripts
- All parameter sets of the pack controllers and case controllers
- Passwords
- Program settings
- Fault report database

### 1.5 Multiple versions of LDSWin on one computer

**Attention: data loss!** If a new installation is made to a directory of an already existing LDSWin version, all data of the original installation will be lost as these will be overwritten! Therefore all existing stores **must** be backed up before the installation of any update!

The user must specify **the directory of the older LDSWin installation as destination path** so that an older version is updated correctly. Otherwise an update is not differentiated from the previously described new installation.

LDSWin can be installed multiple times on one computer. For example, various versions of LDSWin can be used. A new destination directory must be entered in the case of any new or independent LDSWin installation!



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