# Unicon<sup>™</sup> CL Series Software

# **Getting Started Guide**



# **Trademarks**

The following items are trademarks or registered trademarks of Kaba Mas in the United States and/ or other countries.

• Unicon

Windows, Windows 2000, Windows XP, Windows Vista, and Windows 7 are registered trademarks of Microsoft Corporation.

Notice:	The information in this manual is subject to change without notice and
	does not represent a commitment on the part of the Kaba Mas. Kaba
	Mas shall not be liable for technical or editorial errors or omissions
	contained herein; nor for incidental or consequential damages result-
	ing from the furnishing, performance or use of this material.

© 2006-2010 Kaba Mas

All rights reserved

Document Number 3063.016 Rev. C - 10/10

Kaba Mas Welcome	1
The Unicon <sup>™</sup> CL Series Software Program Package	1
System Requirements	2
Software Installation and Setup	3
Install the Software	10
Installation Configurations & Considerations	11
Install the Unicon CL Software	12
Install Microsoft SQL Server 2005 Express	24
Install Unicon CL Series Database	30
Install Dallas 1-Wire API	33
PC Hardware Installation	39
Enable Remote Connections	41
Enable the SQL Server Browser Service	41
Create Unicon Firewall Exceptions	42
Add Login Accounts for Users	43
Create MSDTC Security Settings	44
Restart Server PC	46
Start the Unicon CL Series Program	46
Configure System Hardware and Software Settings	50
Change Adapter & Port Settings	50
Select Database Server	51
Menu Bar Options	53
Toolbar Options	53

# Kaba Mas Welcome

Kaba Mas, part of the world-wide Kaba group, is the world's leading manufacturer and supplier of high security, electronic safe locks. From sophisticated locks safeguarding classified information and cash supplies stored in automated teller machines to complete systems serving goods-in-transit, Kaba Mas products are world renowned for their ability to greatly reduce incidence of theft. Kaba Mas is dedicated to satisfying end-user needs for security, safety, and convenience. We welcome you to the world of Kaba Mas security and the Unicon<sup>™</sup> CL Series Software.

# The Unicon<sup>™</sup> CL Series Software Program Package

The Unicon CL Series Software implementation package includes:

- Unicon CL Series Software Install CD, Version 2.1.0 (32-bit version)
- Unicon CL Series Software Install CD, Version 2.1.0 (64-bit version)
- Unicon CL Data Cable
- USB Adapter for Unicon CL Data Cable
- 1 Programming Key Fob (Teal)
- 1 Reporting Key Fob (Red)
- Unicon CL Series Software Getting Started Guide
- Unicon CL Series Software Reference Manual (Included on Install CD in electronic format)

If you are missing any of the above items, contact Kaba Mas Customer Service at 1(800) 950-4744. Please note that if you are installing the upgrade package, you will not receive all of these items.

**Note:** If you do not have an available USB port on your PC but you do have an available serial port, the serial port adapter (P/N 202124) can be installed as an alternate to the USB adapter. This item is ordered separately.

# System Requirements

**Note:** If you will be installing both the Unicon CL Software and SQL Server 2005 Express Edition, you will need to add the required RAM and hard disk space for each to get the total amount required. Refer to pages 6-7 of this guide for the possible system configurations.

To install and run only the **Unicon CL Series Software** program, the following minimum hardware and software requirements on a workstation must be met:

- IBM compatible PC (Pentium III or greater) capable of running Windows with an available USB or serial port for a data cable adapter.
- 512 MB RAM
- CD-ROM or DVD-ROM Drive
- Hard Disk Drive with at least 30 megabytes disk space free
- Windows XP Professional 32-bit (Service Pack 2 or greater), Windows Vista 32-bit or 64-bit (Business Edition), or Windows 7 Professional 32-bit or 64-bit.

To install and run **SQL Server 2005 Express Edition (Service Pack 2)**, the following minimum hardware and software requirements on a server station must be met:

- IBM compatible PC (600 MHz Pentium III compatible or faster processor, 1 GHz or faster processor recommended) capable of running Windows with an available USB or serial port for a data cable adapter.
- 512 MB RAM (or more recommended)
- CD-ROM or DVD-ROM Drive
- Hard Disk Drive with at least 800 MB available hard-disk space for recommended installation
- Super VGA (1,024x768) or higher-resolution video adapter and monitor
- Microsoft Mouse or compatible pointing device
- Windows 2000 Server (Service Pack 4 or greater); Windows Server 2003 Standard, Enterprise, or DataCenter editions with Service Pack 1 or greater; Windows Small Business Server 2003 with Service Pack 1 or greater; Windows XP (Service Pack 2 or greater); Windows Vista.

**Note:** All current operating system updates should be applied previous to software installation. The screens shown in the Unicon CL Series manuals were captured on a Microsoft Windows XP system or a Windows 7 machine. If your PC is running under a different operating system, your screens may look slightly different.

**Note:** Most of the screens shown in the Unicon CL Series manuals were captured on a Microsoft Windows 7 system. If your PC is running under a different operating system, your screens may look slightly different.

- .NET Framework 2.0 (Included on Install CD)
- Microsoft Internet Explorer 6.0 SP1 or later

To install and/or run **SQL Server 2005 Standard Edition**, the standard minimum hardware and software requirements for the software installed on a server station must be met. SQL Server 2005 Standard Edition is not provided as a part of the Unicon CL Series Software implementation package; however, the Unicon CL software will interface with SQL Server 2005 Standard Edition

### Software Installation and Setup

You are ready to install the Unicon CL Series Software and begin system setup. To start the installation and to continue with testing the basic function and operation of the system, you will need the appropriate Unicon CL Series Software Install CD for your operating system (32-bit or 64-bit), the Unicon Data Cable, and the Adapter for the Data Cable.

WARNING: Do not install the data cable and adapter at this time. You will be instructed to do so at a later time.

If you have a previous Windows based version of the Unicon CL Series software installed and you want to upgrade and transfer your system to a new PC, please refer to the Unicon CL Software **Reference Manual on how to transfer (i.e., backup and restore) your files.** If you need further technical assistance, please contact Kaba Mas Customer Service at 1(800) 950-4744.

If you have a previous Windows based version of the Unicon CL Series software installed and are upgrading to the new software on the same machine, you must remove (uninstall) both the old version of the Unicon software and the Microsoft Visual J# module before installing the new version.

Note: Removal of the previously installed program will not affect any currently existing data files.

#### **Remove Previous Unicon CL Series Software:**

Complete the following steps to remove the previous Unicon CL Series Software program:

1. Select the Start icon in the lower left of the Windows screen to gain access to the Control Panel.

**Note:** Depending on your operating system, you may be able to select Control Panel at this point or you may have to access Settings and then Control Panel.

The Control Panel Window will be displayed.



2. Depending on your operating system, select the **Add/Remove Programs** icon or the **Uninstall a program** option under **Programs**.

The Add/Remove Programs Properties window or the Uninstall or Change a Program screen will be displayed.

Control Panel Home View installed updates Turn Windows features on or	Uninstall or change a program To uninstall a program, select it from the list and then	click Uninstall, Change, or Repa	ir.		
off	Organize \star				HE 🔹 🔞
Install a program from the network	Name	Publisher	Installed On	Size	Version
	Microsoft Visual C++ 2008 ATL Update kb973924 - x8	Microsoft Corporation	4/7/2010	200 KB	9.0.30729.4148
	Microsoft Visual C++ 2008 Redistributable - x86 9.0.3	Microsoft Corporation	3/22/2010	596 KB	9.0.30729
	Microsoft Visual C++ 2008 Redistributable - x86 9.0.3	Microsoft Corporation	8/9/2010	594 KB	9.0.30729.4148
	😼 Microsoft Visual J# 2.0 Redistributable Package - SE	Microsoft Corporation	10/8/2010		
	PowerDVD DX	CyberLink Corp.	3/22/2010		8.3.5424
	Quicken ExpensAble Business Edition		3/26/2010		
	RICOH Media Driver ver.2.07.01.01	RICOH	3/22/2010		2.07.01.01
	Roxio Creator DE 10.3	Roxio	3/26/2010	96.6 MB	10.3
	Snaglt 7	TechSmith Corporation	4/7/2010		7.0
	🔯 SolidWorks viewer	SolidWorks	3/22/2010	44.5 MB	18.00.5035
	🔗 Symantec Endpoint Protection	Symantec Corporation	8/13/2010	449 MB	11.0.6005.562
	Unicon CL Series Software	Kaba Mas	10/8/2010	26.4 MB	2.0.2
	Windows Automated Installation Kit	Microsoft Corporation	3/23/2010	789 MB	1.0.0.0
	SWindows Driver Package - Integrated Biometrics LLC	Integrated Biometrics LLC	9/22/2010		04/07/2009 2.0.0.
	🕞 Windows XP Mode	Microsoft Corporation	4/7/2010	1.13 GB	1.3.7600.16423
	WinZip 12.1	WinZip Computing, S.L.	3/22/2010	15.4 MB	12.1.8497
		10			- 1 1

3. Select the Unicon CL Series Software from the program list and click on the **Remove** button or select **Uninstall**, again depending on your operating system .

The window will appear with a prompt to make sure that you want to remove/uninstall the program.

# Note: Removing the currently installed Unicon application and all of its components will not affect any currently existing data files.



4. Click on **OK** or **Yes** to remove the program.

Note: A Maintenance Complete screen may be displayed. If so, click on Finish to return.

The Unicon software program will be removed from the list.

#### Remove Microsoft Visual J# Package:

Complete the following steps to remove the previous Microsoft Visual J# Package:

**Note:** The **Add or Remove Programs** window or the **Uninstall or change a program** window should still be displayed, depending on your operating system.

1. Select the Microsoft Visual J# Package from the program list and click on the **Remove** button or select **Uninstall**, again depending on your operating system .

Control Panel Home View installed updates	Uninstall or change a program To uninstall a program, select it from the list and then	click Uninstall, Change, or Rep	air.		
Turn Windows features on or off	Organize 💌				
Install a program from the network	Name	Publisher	Installed On	Size	Version
	Microsoft Expression Web	Microsoft Corporation	10/18/2010		12.0.6215.1000
	B Microsoft Office Professional Plus 2007	Microsoft Corporation	4/7/2010		12.0.6425.1000
	Microsoft Silverlight	Microsoft Corporation	7/26/2010	34.5 MB	4.0.50524.0
	Microsoft SQL Server 2005	Microsoft Corporation	9/3/2010		
	Microsoft SQL Server Management Studio Express	Microsoft Corporation	9/2/2010	109 MB	9.00.4035.00
	Microsoft SQL Server Native Client	Microsoft Corporation	9/2/2010	2.58 MB	9.00.4035.00
	Microsoft SQL Server Setup Support Files (English)	Microsoft Corporation	10/8/2010	19.9 MB	9.00.4035.00
	Microsoft SQL Server VSS Writer	Microsoft Corporation	9/2/2010	679 KB	9.00.4035.00
	Microsoft Visual C++ 2008 ATL Update kb973924 - x8	Microsoft Corporation	4/7/2010	200 KB	9.0.30729.4148
	Microsoft Visual C++ 2008 Redistributable - x86 9.0.3	Microsoft Corporation	3/22/2010	596 KB	9.0.30729
	Microsoft Visual C++ 2008 Redistributable - x86 9.0.3	Microsoft Corporation	8/9/2010	594 KB	9.0.30729.4148
	😼 Microsoft Visual J# 2.0 Redistributable Package - SE	Microsoft Corporation	10/8/2010		
	PowerDVD DX	CyberLink Corp.	3/22/2010		8.3.5424
	Quicken ExpensAble Business Edition		3/26/2010		
	RICOH Media Driver ver.2.07.01.01	RICOH	3/22/2010		2.07.01.01
	Roxio Creator DE 10.3	Roxio	3/26/2010	96.6 MB	10.3
	Sanalt 7	TachSmith Corneration	4/7/2010		70

The window will appear with a prompt to make sure that you want to remove/uninstall the program.



- 2. Click on **OK** or **Yes** to remove the program.
- 10 Getting Started Guide

#### Note: A Maintenance Complete screen may be displayed. If so, click on Finish to return.

The Microsoft Visual J# Package will be removed from the list.

#### To Install the Unicon CL Series Software:

Complete the following steps to install the current version of the Unicon CL Series Software:

- 1. Check the PC date, time, and time zone to ensure accuracy. Adjust, if necessary, before proceeding.
- 2. Insert the appropriate Unicon CL Series Software Install CD for your operating system (32-bit or 64-bit) into the appropriate CD-ROM or DVD-ROM drive of the PC.

The Unicon CL Series Software Installation Browser may automatically load on your PC when the Install CD is inserted. If so, you may skip to the next page where the Main Menu of the Browser is displayed.

If the Installation Browser does not automatically load, you may still get an Autoplay window that prompts for you to either run a program or open a folder to view files.



3. If the AutoPlay window is displayed, you can either select to "**Run Launch.exe**" or you can select "**Open folder to view files**" and then doubleclick on **Launch.exe**.

If the AutoPlay window did not display, you can select the **Start** icon in the lower left of the Windows screen and then select the **Run** icon from the Windows menu. The Run Window will be displayed. If necessary, change the path to point to the drive being used to install the software. Then click on the **OK** button.



The Unicon CL Series Software Installation Browser is loaded and the Main Menu of the Browser is displayed.



**Note:** It is strongly recommended that you close all other applications before installing the Unicon CL Series Software. It is also recommended that you review the Unicon CL Series Software Reference Manual before installing the software.

#### To Print the Unicon CL Series Software Reference Manual:

1. Select the **Product Documentation** menu item.

The Product Documentation browser menu is displayed.



- 2. If you do not already have Adobe<sup>®</sup> Reader 8.0 or above installed on your system, select the **Install Adobe Reader** menu item to install the Adobe Reader software.
- 3. Select the **Reference Manual** menu item to load the Unicon CL Series Software Reference Manual in PDF format using the Adobe Reader software.

**Note:** The Unicon CL Series Software Reference Manual is also available in PDF format from the Unicon CL Series Software Menu for printing or for online assistance.

- 4. Select **Print** from the File Menu to Print the document.
- **Note:** If your printer has duplexing capability, we recommend that you select that as a Print option for the Reference Manual since it is a lengthy document (approximately 200 numbered pages.)
- 5. Click on the Main Menu button to return to the Main Menu.

#### Install the Software

1. From the Main Menu select the Install Software menu item.

The Install Software Products browser menu is displayed.

Unicon™ CL Series Software Install Products	KVBV
Install Unicon Software Install SQL Server 2005 Express	
Install Unicon Database	
	Menu

#### **Installation Configurations & Considerations**

There are 3 different system configurations under which the Unicon CL Series Software can be installed.

There are unique installation processes for each of the types of configurations as follows:

- 1) Standalone PC installation Single Unicon client with SQL Server 2005 Express Edition
  - Install the Unicon CL Software on the standalone PC
  - Install SQL Server 2005 Express on the standalone PC
  - Install the Unicon Database on the standalone PC
  - Install the Dallas 1-Wire API on the standalone PC

In the case where a systems administrator is installing the software on a user's PC where the user does not have systems administrator rights, the following activity will also have to be performed to give the user access to the Unicon database:

• Add login accounts for the client user on the PC

#### 2) Multiple PC installation - Single or multiple Unicon clients interfacing with SQL Server 2005 Express Edition on a Server PC

**Note:** The "server PC" refers to the PC where the Unicon instance of SQL Server 2005 Express is to be installed. For technical assistance, contact Kaba Mas Customer Service.

- Install the Unicon CL Software on all of the PCs where the Unicon software needs to run
- Install SQL Server 2005 Express on the server PC
- Install the Unicon Database on the server PC
- Install the Dallas 1-Wire API on all of the PCs where the Unicon CL software needs to run
- Enable remote connections on the server PC
- Enable the SQL Server Browser on the server PC
- Add login accounts for the client users on the server PC
- Create Unicon firewall exceptions on the server PC (only for Windows XP, if firewall is on)
- Configure MSDTC security settings on the server PC and the clients (only for Windows XP)
- Create a firewall exception on the client PC for the msdtc.exe service (only for Windows XP, if firewall is on)
- Restart server PC (only for Windows 2000)

3) Multiple PC installation - Single or multiple Unicon clients interfacing with SQL Server 2005 Standard Edition on a Server PC

**Note:** The "server PC" refers to the PC where the Unicon instance of SQL Server 2005 Express is to be installed. SQL Server 2005 Standard is not included in the software implementation package. It must be provided by the customer. For technical assistance, contact Kaba Mas Customer Service.

- Install the Unicon CL Software on all of the PCs where the Unicon software needs to run
- Install SQL Server 2005 Express on the server PC
- Install the Unicon Database on the server PC
- Install the Dallas 1-Wire API on all of the PCs where the Unicon CL software needs to run
- Enable remote connections on the server PC
- Enable the SQL Server Browser on the server PC
- Add login accounts for the client users on the server PC
- Create Unicon firewall exceptions on the server PC (only for Windows XP, if firewall is on)
- Configure MSDTC security settings on the server PC and the clients (only for Windows XP)
- Create a firewall exception on the client PC for the msdtc.exe service (only for Windows XP, if firewall is on)
- Restart server PC (only for Windows 2000)

#### Complete the following processes as applicable for your specific installation configuration.

#### Install the Unicon CL Software

- **Note:** If you are upgrading your Unicon CL Series Software from a previous version to a new version or if you already have some of the required software components installed, you may not be prompted with all of the screens shown in this section. For some PC configurations, the screens might also be presented in a different order.
- 1. Select the **Install Unicon Software** menu item.

If Crystal Reports is not already installed on your system, the license agreement for Microsoft Crystal Reports Basic for Visual Studio is displayed.

🖞 Unicon CL Series Software Setup	×
For the following components:	
Crystal Reports Basic for Visual Studio 20	08 (x86)
Please read the following license agreement. Press of the agreement.	the page down key to see the rest
CRYSTAL REPORTS BASIC FOR MICROSOFT V LICENSE AGREEMENT	/ISUAL STUDIO 2008
IMPORTANT-READ CAREFULLY: THIS IS A LEC YOU AND BUSINESS OBJECTS SOFTWARE LIN OBJECTS") FOR THE BUSINESS OBJECTS SOF IDENTIFIED ABOVE, WHICH MAY INCLUDE CO ASSOCIATED MEDIA, PRINTED MATERIALS AN DOCUMENTATION ("SOFTWARE"). BEFORE ( INSTALLATION OF THE SOFTWARE, YOU MUS AND ACCEPT THE TERMS AND CONDITIONS (	GAL AGREEMENT BETWEEN MITED ("BUSINESS TWARE PRODUCT MPUTER SOFTWARE, ND ONLINE OR ELECTRONIC CONTINUING WITH THE ST READ, ACKNOWLEDGE OF THE SOFTWARE LICENSE T
View EULA for printing	
Do you accept the terms of the pending Li	cense Agreement?
If you choose Don't Accept, install will close. To ins agreement.	stall you must accept this
Accept	Don't Accept

2. Read the License Agreement and click on the **Accept** button.

A prompt window may be displayed indicating that Visual J# and/or MSXML6 need to be installed.

Visual J# 2.0 Second Edition x86 MSXML6_x86 Do you wish to install these components?	Visual J# 2.0 Second Edition x86 MSXML6_x86 Do you wish to install these components? If you choose Cancel, setup will exit.	The following	components will be instal	led on your machine:	
Do you wish to install these components?	Do you wish to install these components? If you choose Cancel, setup will exit.	Visual J#2 MSXML6_	2.0 Second Edition x8 86	6	
Kunu shares Connel set a uit ant	If you choose Cancel, setup will exit.	Do you wis	h to install these com	ponents?	
ir you choose cancel, setup will exit.		lf you choose	Cancel, setup will exit.		

3. Click on the **Install** button.

A series of screens will be displayed to indicate the progress for any components being installed.



If Microsoft Visual J# is not already installed on your system, the install wizard screen for the redistributable package will be displayed.

Hicrosoft Visual J# 2.0 Redistributable Package - SE Setup	]		x
Welcome to Microsoft Visual J# 2.0 Redistributable Package - SE Setup			
This wizard will guide you through the installation process.			
Microsoft Visual J# is a tool that developers, particularly those familia language syntax, can use to build applications and services on the .N J# does not allow you to develop applications that run on a Java Virt applications and services built using Visual J# will run only on the .NE	ar with the IET Frame ual Machin T Framewo	Java- work, Visua ie; ork,	¢.
	_		_
Ne	xt >	Cancel	

4. Click on **Next>** to continue.

The license agreement for Microsoft Visual J# is displayed.

5. Read the License Agreement and click on the box to indicate that you "accept the terms of the License Agreement".

		-
ABLE PACKAGE - S	ECOND EDITION	, for x86,
ween Microsoft Co ou. Please read th media on which y	prporation (or bas nem. They apply ou received it, if	ed on to the any.
	I	Print
e Agreement" and stood, and agreed	f proceeding to u to the terms of	se the the End-User
Agreement		
	ABLE PACKAGE - S ween Microsoft Co ou. Please read th media on which y e Agreement" and stood, and agreed	ABLE PACKAGE - SECOND EDITION ween Microsoft Corporation (or bas bu. Please read them. They apply media on which you received it, if e Agreement" and proceeding to u stood, and agreed to the terms of Agreement

6. Click on **Install>** to install the software package.

A series of screens will be displayed to indicate the progress for the components being installed.



Once all of the components have been installed, the Setup Complete screen is displayed.

Microsoft Visual J# 2.0 Redistributable Package - SE has installed. It is highly recommended that you download and install the latest security updates for this product.	s been successfully service packs and	
It is highly recommended that you download and install the latest security updates for this product.	service packs and	
For more information, visit the following Web site:		
Product Support Center		
	<i></i>	

7. Click on the **Finish** tab to complete the Visual J# installation.

The InstallShield Wizard "Software Setup" screen is displayed.

Unicon CL Series Software	
Welcome to the Unicon CL Series Wizard	Software Setup
The installer will guide you through the steps required to ins computer	tall Unicon CL Series Software on your
WARNING: This computer program is protected by copyrig Unauthorized duplication or distribution of this program, or a or criminal penalties, and will be prosecuted to the maximum	ht law and international treaties. my portion of it, may result in severe civil n extent possible under the law.
Cancel	Back Next >

8. Click on **<u>Next</u>** to continue with the installation.

The Software License Agreement acceptance screen is displayed.

9. Read the Software License Agreement and then click on the "I Agree" button to accept the terms of the agreement.

Unicon CL Series Software	t	
Please take a moment to read th Agree", then "Next". Otherwise	he license agreement now. If yo click "Cancel".	u accept the terms below, click "I
	ATTENTION!	*
READ THIS AGRE	EMENT BEFORE INSTALL	ING THE SOFTWARE.
KABA MAS G UNICON <sup>™</sup> CL	ROUP SOFTWARE LICEN SERIES PERSONAL COMP	SE AGREEMENT PUTER SOFTWARE
This is a legal Agreem	nent between Kaba Mas	Corporation (Kaba Mas), of +
1 Do Not Agree		
	Cancel	/ Pack Naut

10. Click on the **Next>** button to continue.

The Select Install Folder window will be displayed to allow you to select the program folder to which the Unicon CL Series Software program will be added.

Select Installation Folder	
he installer will install Unicon CL Series Software to the following folde	
o install in this folder, click "Next". To install to a different folder, enter	it below or click "Browse".
Folder:	
C:\Program Files\Kaba Mas\Unicon CL Series Software\	Browse
	Disk Cost
Install Unicon CL Series Software for yourself, or for anyone who use	s this computer:
9 Evenuone	

- **Note:** The default installation directory is shown. If you want the Unicon CL Series Software installed in another directory, click on the **Browse** button and select the new path. Also, the default value for who can use the software is "Just Me". If you need to have the software available to everyone who uses the computer, select "Everyone".
- 11. Click on the **Next>** button to add the programs to the designated folder and initialize software access.

The "Confirm Installation" screen is displayed indicating that the installer is ready to install the program.

Unicon CL Series Software	□ X
Confirm Installation	
The installer is ready to install Unicon CL Series Software	on your computer.
Click "Next" to start the installation.	
Cancel	< <u>B</u> ack Next≻

12. Click on the **<u>Next></u>** button to continue.

Messages will be displayed while the program is being installed.

The **Installation Complete** screen is then displayed indicating that the Unicon CL Series Software has been successfully installed.

**Note:** You should use Windows Update to check for updates to the .NET Framework on a regular basis.

Unicon CL Series Software	
Installation Complete	
Unicon CL Series Software has been successfully installed. Click "Close" to exit.	
Please use Windows Update to check for any critical update	s to the .NET Framework.

13. Click on the **Close** button. The software installation is now complete.

The Unicon CL Series Software programs will be added to the Windows Program Menu Folder. A desktop icon in addition to a menu item will be created for **Unicon CL Series Software**. Within the menu item, there will be two available options. **Unicon CL Series Software** can be used to start the Unicon CL Series program, and the second option will allow you to view or print the **Unicon CL Series Software Reference Manual**.



#### Install Microsoft SQL Server 2005 Express

**Note:** If you are upgrading Microsoft SQL Server 2005 Express from a previous version to a new version, you may not be prompted with all of the screens shown in this section.

1. Select the Install SQL Server 2005 Express menu item.

Informational windows will be displayed followed by the Installing Prerequisites screen.

Installs software components r	required prior to in	stalling SQI		
Server.	requires prior to in	staning out		
SQL Server Component U required for SQL Server S	Jpdate will insta Setup:	all the following	components	
→ Microsoft SQL Native C	Client			
Microsoft SQL Server 2	2005 Setup Su	pport Files		
Configuring components.				
				-

Various messages will be displayed while the software components are being installed.

Installs softwa	re components	required prior	to installing	SQL		
Server.						-
SQL Server required for	Component SQL Server	Update will i Setup:	install the f	ollowing co	omponents	
✓ Microsoft	t SQL Native	Client				
Microsof	t SQL Server	2005 Setup	Support F	iles		
Configuring	components					
						-

Once the Support files have been installed, the system configuration check will automatically be initiated. Messages will be displayed while the system configuration check is completed.



Once the system configuration check has completed, the Microsoft SQL Server Setup Progress screen is displayed.

Setup Progress The selected components are being config	ured	Les
Product	Status	
SQL Setup Support Files     SQL Native Client     SQL VSS Writer     SQL Server Database Services     SQL Server Management Studio Express     Workstation Components, Books Onlin	Configuring components	
Status		
Help		Cancel

The Microsoft SQL Server Setup Progress screen will indicate the completion of each product configuration as it occurs.

Microsoft SQL Server 2005 Setup Setup Progress The selected components are being configu	ured
Product SQL Setup Support Files SQL Native Client SQL VSS Writer SQL Server Database Services SQL Server Management Studio Express Workstation Components, Books Onlin	Status Setup finished Setup finished Setup finished Configuring components
Status Configuring Microsoft Report Server	
Help	<< Back Next >> Cancel

Once all components have been configured, you will be returned to the Install Products menu of the install browser.

**Note:** The Unicon CL Series Software installer defines a default SA user and password for the Unicon instance of the database. Contact Technical Support for more detail if needed for database administration.



### Install Unicon CL Series Database

1. Select the Install Unicon Database menu item.

The Unicon Database Installation program is loaded.

Sy Unicon Database Installation	 ×
INSTALL: INSTALL UNICON DATABASE AND TABLES UNINSTALL: UNINSTALL UNICON DATABASE AND TABLES	

**Warning:** The **Uninstall Unicon Database and Tables** option will remove the data from the Unicon database. This option should only be used to remove data from an old system where the data is no longer needed.

2. Select the bar to **Install Unicon Database and Tables.** 

The new Unicon database is created and an informational window is displayed.

	×
Successfully created	d Unicon database.
	ОК

If the Unicon database already exists and is just being updated, the following informational window is displayed.



3. Click on **OK** to continue.

If this is a new Unicon database, the Unicon tables are created and the following informational window is displayed.



4. Click on **OK** to continue.

Once the Unicon database has been installed, an informational window is displayed.



If the Unicon tables already exist and are just being updated, the following informational window is displayed.



5. Click on **OK** to return to the Install Product menu of the install browser.



#### Install Dallas 1-Wire API

- **Note:** If you are upgrading the Dallas 1-Wire Drivers, you must first remove the previously installed version via the "Add or Remove Programs" option on the Control Panel. Once the previously installed drivers have been removed, you can proceed with the following section.
- 1. Select the Install Dallas 1-Wire Files menu item.

The 1-Wire Drivers Setup Wizard screen is displayed.



2. Click on **Next** to to continue.

The Maxim License Agreement screen is displayed.

3. Read the Maxim End-User License Agreement and then click on the box to indicate that you "accept the terms in the license agreement."

Please read the following license agree	ment carefully	
Copyright (C) 2010 Maxin Rights Reserved.	Integrated Produc	ts, All 🔺
Permission is hereby gra person obtaining a copy associated documentation deal in the Software wit without limitation the r merge, publish, distribu copies of the Software, whom the Software is fur	nted, free of char of this software a files (the "Softw hout restriction, rights to use, copy te, sublicense, an and to permit pers mished to do so, s	ge, to any and are"), to including , modify, ad/or sell ons to subject to -
I accept the terms in the License Agr	eement	

4. Click on **Next** to continue.

The Destination Folder window will be displayed to allow you to select the program folder to which the 1-Wire Driver will be added.

Destination Folder		MAXIA
Click Next to install to the default fo	older or click Change to choo	se another.
Install 1-Wire Drivers Version 4.03 Be	eta to:	
C: \Program Files \Maxim Integrated F	Products\1-Wire Drivers x86	<u>,                                     </u>
Change		

- **Note:** The default installation directory is shown. If you want the 1-Wire Driver installed in another directory, click on the **Change** button and select the new path.
- 5. Click on **Next** to add the driver to the designated folder.

The Unplug 1-Wire Adapters screen will be displayed to instruct you to unplug all 1-Wire adapters before continuing.

1-Wire Drivers Version 4.03 Beta Setup	C C X
Unplug 1-Wire Adapters	
Before continuing, unplug all 1-Wire Adapters. Then, did Click Back to review or change any of your installation se wizard.	k Install to begin the installation. ettings. Click Cancel to exit the

6. If you wish to change any of your installation settings, click on the **Back** button. Otherwise, click on the **Install** button to install the driver with the designated settings.

The Setup Status screen is displayed and will show several different status messages as the installation progresses.

Installing 1-Wire Drivers Ve	rsion 4.03 Beta	
Please wait while the Setup Wizard	installs 1-Wire Drivers Versio	n 4.03 Beta.
Status:		

The Windows Security screen may be displayed depending on your current system setttings. If so, click on the **Install** button to accept install of the device software.

Windows Security	x
Would you like to install this device software?	
Name: Maxim Integrated Products Publisher: Maxim Integrated Products	
Always trust software from "Maxim Integrated Products".	Install Don't Install
You should only install driver software from publishers y device software is safe to install?	ou trust. How can I decide which

The Setup Wizard Completion screen is displayed indicating that the driver installation has completed and indicating that you should now attach the 1-Wire USB Adapter.

1-Wire Drivers Version 4.03	Beta Setup Completed the 1-Wire Drivers Version 4.03 Beta Setup Wizard. Attach 1-Wire adapters after clicking "Finish". Click the Finish button to exit the Setup Wizard.
Contraction of the second	Back Finish Cancel

7. Click on **Finish** to exit the Setup Wizard.

#### **PC Hardware Installation**

- **Note:** A USB Adapter has been included with your implementation kit. If you do not have an available USB port on your PC but you do have an available serial port, the serial port adapter (P/N 202124) can be installed as an alternate to the USB adapter. This item is ordered separately.
- 1. Install the adapter and data cable.

*For a Serial Port Adapter:* Locate the Serial Port Adapter that was ordered separate from the Unicon CL Series Software package and connect it to the Unicon Data Cable. Plug the adapter into the serial port on your PC that corresponds to one of the serial Com ports (COM1 through COM4).

For a USB Adapter: Locate the USB Adapter that came with the Unicon CL Series Software package and connect it to the Unicon Data Cable. Plug the adapter into a USB port on your PC. Complete the installation of the USB Adapter if prompted by the "Found New Hardware" Install Wizard. You should have the Wizard point to the following location to install the USB device with the correct drivers: C:\Program Files\Dallas Semiconductor\1-Wire Drivers 4.01Beta Version 4.01Beta.

Helpful Hint: The Data Cable should be positioned near your keyboard for easy access.

Once the new hardware device has been found, a message bubble or window will display to indicate that the USB Host Adapter for 1-Wire Network has been installed and is ready to use.



Click on **Close** to close the Driver Software Installation window if displayed.

If your system did not indicate that the hardware device has been installed, you should be prompted by the Found New Hardware Wizard.



**Note:** The screen shown above was captured on a Microsoft Windows XP system. If your PC is running under a different operating system, your screens may look slightly different and the Wizard may follow a slightly different process to install the hardware device.

Follow the instructions of the Wizard to install the new hardware device. Click on  $\underline{Next}$ > to continue.

Once the driver software installation has completed, click on **Finish** to close the wizard.

2. Shut down the The Unicon CL Series Software Installation Browser now by clicking on **Menu** and then **Exit**.

#### Enable Remote Connections\*

\* Not required for a Standalone PC installation - Single Unicon client with SQL Server 2005 Express Edition. These steps must be performed only on the "server PC" in a multiple PC configuration.

- 1. Click Start, point to Programs, point to Microsoft SQL Server 2005, point to Configuration Tools, and then click SQL Server Surface Area Configuration.
- 2. On the SQL Server 2005 Surface Area Configuration page, click Surface Area Configuration for Services and Connections.
- 3. On the **Surface Area Configuration for Services and Connections** page, expand **Database Engine**. Under the **UNICON** instance designation, click **Remote Connections**, click **Local and remote connections**, click the appropriate protocol to enable for your environment, and then click **Apply**.

A message will be displayed indicating that "Changes to Connection Settings will not take place until you restart the Database Engine service."

- 4. Click on **OK** to continue.
- 5. On the Surface Area Configuration for Services and Connections page, expand Database Engine under the UNICON instance designation, click Service, click Stop, wait until the MSSQL\$UNICON service stops, and then click Start to restart the MSSQL\$UNICON service.

#### Enable the SQL Server Browser Service\*

\* Not required for a Standalone PC installation - Single Unicon client with SQL Server 2005 Express Edition. These steps must be performed only on the "server PC" in a multiple PC configuration.

- 1. Click Start, point to Programs, point to Microsoft SQL Server 2005, point to Configuration Tools, and then click SQL Server Surface Area Configuration.
- 2. On the SQL Server 2005 Surface Area Configuration page, click Surface Area Configuration for Services and Connections.

3. On the Surface Area Configuration for Services and Connections page, expand the SQL Server Browser instance, click on Service, click Automatic for Startup Type, and then click Apply.

**Note:** When you select the **Automatic** option, the SQL Server Browser service starts automatically every time you start Microsoft Windows.

4. Click **Start**, and then click **OK**.

#### **Create Unicon Firewall Exceptions\***

\* Not required for a Standalone PC installation - Single Unicon client with SQL Server 2005 Express Edition. All of these steps must be performed only on a Windows XP "server PC" in a multiple PC configuration, if the firewall is on. The steps to create a firewall exception for the msdtc.exe executable must also be performed at all Windows XP client PC(s), if the firewall is on.

These processes are only necessary if the Windows Firewall is being used. If a firewall other than Windows Firewall is being used, consult the documentation for that firewall.

**Note:** System Administrator privileges may be required to complete these activities.

An exception must be created for both the UNICON instance and the SQL Server Browser service. To create an exception for the UNICON instance in the Windows Firewall, you must first determine the instance ID of the UNICON instance and the instance ID for the SQL Server Browser service.

#### Determine the instance ID for the UNICON instance.

- 1. Click Start, point to Programs, point to Microsoft SQL Server 2005, point to Configuration Tools, and then click SQL Server Configuration Manager.
- 2. In SQL Server Configuration Manager, click the **SQL Server (Unicon)** service in the right pane, right-click the instance name in the main window, and then click **Properties**.
- 3. On the **SQL Server (Unicon) Properties** page, click the **Advanced** tab, locate the instance ID in the property list, and then click **OK**.

#### Determine the instance ID for the SQL Server Browser Service.

4. Repeat the above steps to determine the instance ID for the SQL Server Browser service.

Once the instance ID of the UNICON instance and the SQL Server Browser Service are known, an exception in the Windows Firewall needs to be added for each of them. Complete the following steps:

5. Open the Windows Firewall. Click **Start**, click **Run**, type **firewall.cpl**, and click **OK**.

#### Create the exception for the UNICON instance.

- 6. In Windows Firewall, click the **Exceptions** tab, and then click **Add Program**.
- 7. In the Add a Program window, click **Browse**.

8. Click the C:\Program Files\Microsoft SQL Server\MSSQL.x\MSSQL\Binn\sqlsvr.exe executable program, click Open, and then click OK.

#### Create the exception for the SQL Server Browser.

- 9. In Windows Firewall, click the **Exceptions** tab, and click **Add Program**.
- 10. In the Add a Program window, click **Browse**.
- 11. Click the C:\Program Files\Microsoft SQL Server\90\Shared\sqlbrowser.exe executable program, click Open, and then click OK.

**Note:** The path may be different depending on where SQL Server 2005 is installed.

#### Create an exception for the msdtc.exe executable in Windows Firewall.

The Unicon CL Series Software requires the Distributed Transaction Coordinator service. For this reason an exception needs to be added to the Windows Firewall (at the server PC and at all Client PCs) for the msdtc.exe executable file.

- 12. In Windows Firewall, click the **Exceptions** tab, and click **Add Program**.
- 13. In the Add a Program window, click **Browse**.
- 14. Browse to the C:\Windows\System32 folder and click on the msdtc.exe file. Click Open and then click OK.

**Note:** The drive where Windows is installed may be different than indicated above.

#### Add Login Accounts for Users\*

\* Not required for a Standalone PC installation - Single Unicon client with SQL Server 2005 Express Edition. These steps must be performed only on the "server PC" in a multiple PC configuration.

**Note:** The Unicon CL Series Software uses Windows Authentication; therefore, client users must be recognized by the "server PC".

Complete the following steps to add Login Accounts at the "server PC":

1. Click Start, point to Programs, point to Microsoft SQL Server 2005, and then click on SQL Server Management Studio Express.

The Connect to Server window is displayed.

 Click on Connect to connect to the UNICON instance of the Microsoft SQL Server Database Engine.

The SQL Server Management Studio Express Object Explorer is displayed.

Document Number 3063.016 Rev. C - 10/10

Getting Started Guide 47

**Note:** The path may be different depending on where SQL Server 2005 is installed. Also, the instance represented by "MSSQL.x" should be replaced with the instance ID for the given service as determined above.

The administrator responsible for installation of a Unicon instance on the server should now add Login accounts for all users in the domain who need to have access to the Unicon database.

- 3. Expand **Security**, right-click on **Logins**, and click on **New Login**.
- 4. Enter the **Login Name** of the user. If the user logs on to the client PC as a local user, the format of the Login Name is SERVER NAME\User Name. If not logging on as a local user, the client must be on the same domain as the server so as to log on as a domain user. If the user logs on to the client PC as a domain user, the format of the Login Name is DOMAIN\User Name.

**Note:** In the case where the client and server are on the same domain, Active Directory must be implemented across the domain to provide central authentication and authorization services.

If a user logs on to the client PC as a local user, the user must also be added to the server PC as a local user. The password on both the client PC and the server PC should be the same. To add a local user to a PC:

- Right click on My Computer and choose Manage.
- Expand on Local Users and Groups and then add the user under the Users folder by right clicking on the Users folder and then clicking on New User.
- 5. Select the **Default Database** as UNICON.
- 6. Select the **User Mapping** page. Check on UNICON under **Users mapped to this Login** and db\_datawriter, db\_datareader under **Database role membership for: UNICON**. *public* database role membership is checked by default.
- 7. Click on **OK**.

The new login account will now appear as a Login under Security.

8. Repeat steps 3-7 to add a separate login account for each user wishing to access the UNICON database.

#### **Configure MSDTC Security Settings\***

\* Not required for a Standalone PC installation - Single Unicon client with SQL Server 2005 Express Edition. The MSDTC security settings need to be configured for Windows XP only on both client PC(s) and the server PC where the UNICON instance of SQL Server 2005 Express is installed.

The Distributed Transaction Coordinator (MSDTC) service needs to be running for Unicon CL Series Software database operations on both the workstation running the Unicon CL Series Software application and on the workstation that is serving the UNICON instance where the Unicon database resides.

**Note:** System Administrator privileges are required to change the MSDTC settings.

Complete the following steps to set the security settings for the MSDTC service:

1. Click **Start**, click **Run**, type in **dcomcnfg.exe**, and click **OK**.

- 2. In the tree-view on the right side of the Component Services window, double click on **Component Services**, and then double click on **Computers**.
- 3. Right-click the **My Computer** node and click **Properties**.
- 4. Click the **MSDTC** tab, and click the **Security Configuration...** button.
- 5. Ensure that the MSDTC security settings are set as shown in the following screen. See the accompanying Note for exceptions.

Security Configu	ration	? 🗙		
Security Settings Network DTC A Client and Adm Allow Remo	Access ninistration ote Clients IV Allow Remote Administrat	ion		
Transaction M	Transaction Manager Communication			
	Authentication Required ng Caller Authentication Required hentication Required			
Enable Tran	nsaction Internet <u>P</u> rotocol (TIP) Transactions			
DTC Logon Accou	int			
Acco <u>u</u> nt:	NT Authority\NetworkService Browse	1		
Password:				
Co <u>n</u> firm password:				
ОК	Cancel			

**Note:** The above settings have the **Mutual Authentication Required** setting selected, which gives a higher level of security and is recommended for systems configured where all PCs involved are operating under Windows XP. This setting is not appropriate for all other environments. In situations where a PC or PCs with Windows 2000 are a part of the Unicon system configuration, as either a server or a client, the setting for **No Authentication Required** should instead be selected for the Windows XP machines. In other situations where you are unsure about this setting, the System Administrator should be consulted.

#### **Restart Server PC\***

\* Not required for a Standalone PC installation - Single Unicon client with SQL Server 2005 Express Edition. If the server PC is operating under Windows 2000, you must restart the server PC. (Not required for a Windows XP server.)

- 1. Click Start, click Shutdown, and then select Restart from the dropdown menu.
- 2. Click **OK** to restart.

# Start the Unicon<sup>™</sup> CL Series Program

To start the Unicon CL Series Software program, you can select the Unicon CL Series Software icon from the desktop or you can complete the following steps:

- 1. Select the **Start** icon from the Windows task bar.
- 2. Select the **Programs** menu item.
- 3. Select the **Unicon CL Series Software** menu item.



4. Select the **Unicon CL Series Software** icon.

🛅 Unicon CL Series Software	₽		Unicon CL Series Software 🗼
·		<u>a</u>	Unicon CL Series SW Reference Manual

#### **Default Lock Selection Setting**

The Unicon CL Series Software allows programming and reporting for both Model CL10 and Model CL20 locks. When you first load the Unicon CL Series Program, you will be prompted to select the default lock model for your activity. This setting determines whether the CL10 or the CL20 lock interface for the software will be presented when you start the program. This default setting will be associated with your User profile as it is known to the Windows operating system. This setting will determine the lock interface that is presented for you when the software is loaded.

🗱 Choose Ur	nicon Lock	
	Choose Lock Type:	
	⊙ CL10	
	O CL20	
	Save	

5. Select your personal default lock setting for the Unicon CL Series software and click on Save.

Note:	The default lock settin	ng can be change	d at any time fro	om the Settings	Menu after the
soft	ware is loaded.				

#### **Distributed Transaction Coordinator Service**

The Distributed Transaction Coordinator (MSDTC) service needs to be running for Unicon CL Series Software database operations. On program startup, the Unicon CL Series Software checks to see if the Distributed Transaction Coordinator service is running. If it is not running, the following message is displayed to give the user the option to start the service.

Start th	e Distributed Transaction Coordinator service?
2	The Unicon CL Series Software Application requires the Distributed Transaction Coordinator service for some operations.
	Click 'OK' to start this service, or 'Cancel' to end the application.
	OK Cancel

6. Click on **OK** to start the Distributed Transaction Coordinator and continue loading the Unicon CL Series Software.

#### Unicon CL Main Menu

The Unicon CL Main Menu that is displayed will vary depending on whether you chose the Model CL10 lock as your default selection or the Model CL20.

For Default Lock Interface selection of the Model CL10, the following screen is displayed.



For Default Lock Interface selection of the Model CL20, the following screen is displayed.



#### **Current Lock Interface**

The Current Lock Interface setting indicates whether the CL10 or the CL20 lock interface for the software is currently presented. At program startup this setting defaults to the Default Lock Interface setting, as defined in the user profile of the user who is logged on to the PC.

The current lock interface can easily be toggled at anytime during operation of the software for customer applications where both types of locks are installed. This option is available from the Settings Menu.



# **Configure System Hardware and Software Settings**

On the initial load of the Unicon CL Series Software, you will be expected to configure the hardware and software settings. From the Main Menu:

1. Select the Settings Menu or the



The System Settings screen will be displayed.

<b>₽</b> 0 2013
oose Default Lock
1

From the Settings Menu or the System Settings screen, you can select the following options.

#### **Change Adapter and Port Settings**

This option is used to change the adapter and port settings in case the adapter type is changed or the adapter has to be moved to a different port.

1. Select Change Adapter and Port Settings.

The **Change Adapter/Port Settings** screen is displayed. This window prompts you to specify what type of data cable adapter you have and where it is installed.

Change Adapter/Port Settings	
Currently selected Adapter/Port pair	: Adapter: {DS9490}, Port: USB1
Click to Detect avai	lable Adapter/Port pairs
Select from detected Adapter/Port pairs	•
	QK

- 2. Select the tab for the **Adapter Type** that you have installed with your system. The **default value** for the Adapter Type is the **DS9490 USB Adapter**. If the Adapter Type is different from the default, change it at this time.
- 3. If you are using a Serial Adapter, select the Com Port number where the key reader was installed. The **default value** for the Serial Port is **Com1**. If the Serial Port that you are using for the key reader is anything other than Com 1, change it at this time.
- 4. If you have updated the adapter and port settings, click on the **OK** button to save the changes. Otherwise, you can Cancel.
- **Note:** You can test communication between the data cable and the key fobs by selecting one of the Key Menu options to initialize a key. See the Menu Options section for more detail. If you get a TMEX error when performing the test, you may need to just try again or reboot.

#### Select Database Server

This option allows you to change the database server for this software application.

#### 1. Select Select Database Server.

The Select Database Server screen will be displayed.

Select DataBase Server	
Current Database Server: localh	ost\UNICON
Add or Remove Database Serve	er:
localhost\UNICON	✓ Add Hemove
ОК	Cancel

2. If you wish to select a different database server, click on the drop down arrow to view available servers for selection. The default value is the local host instance of the Unicon database.

**Note:** If the required database server is not shown in the list, type in the database server name (Computer Name\UNICON) and click on the **Add** button.

- 3. Select the database server name from the list.
- 4. Click on the **OK** button to process the selection.

An informational window prompt is displayed indicating the database server specified.



4. Click on OK.

# **Menu Bar Options**

The Menu Bar displays the available menu options. Menu options will vary for the CL10 lock interface and the CL20 lock interface. Some of these options are also available from the toolbar. The menus available from the Unicon CL Series Software menu bar are listed below and the corresponding toolbar icon (if applicable) is located to the left of each menu description:

File - Exit Unicon CL Series Software



**Help** - 1) Display the Unicon CL Series Software basic program information, version number and copyright or 2) access the online system help information.

You can select an option on the menu bar by 1) positioning the mouse pointer on the option name and clicking the left mouse button one time 2) using the shortcut keys underlined on the option's label. For example, for the option label <u>L</u>ocks, you can select the option by pressing the **Alt** and **L** keys at the same time (Alt + L).

# **Toolbar Options**

The Toolbar is located directly below the menu bar and displays the icons for the menu bar options. You can select an icon on the toolbar by positioning the mouse pointer on the icon and clicking the left mouse button one time. The available toolbar icons are pictured and described in the previous Menu Bar section.

Document Number 3063.016 Rev. C - 10/10



Kaba Mas LLC 749 W. Short Street, Lexington, KY 40508 USA Phone: (859) 253-4744 FAX: (859) 255-2655 Customer Service: (800) 950-4744 www.kaba-mas.com