SQL Server Installation Guide

- 1. From the Visor 360 installation CD\USB Key, open the "Access" folder and install the Access Database Engine.
- 2. Open *Visor 360 V2.0* folder and double click on *Setup*. Visor 360 will install .NET Framework 3.5 automatically. This component is required prior to installing SQL Server.
- 3. Open the *SQL SERVER* folder:

Select English or French and double click on the SQL installation file.



Select checkbox "I accept the licensing terms and conditions" and press Next.



Press Install. Installing software components in progress. Wait for installation to finish and press Next.



Click Next, verify that there are no errors, and then click Next.

🖟 Microsoft SQL Server 200	05 Setup	18 Mi	crosoft SQL Server 2005 Set	up		×
•	Welcome to the Microsoft SQL Server Installation Wizard	Sy	System Configuration Check Wait while the system is checked for potential installation problems.			
				12 Total 12 Success	0 Error 0 Warning	
	Setup will help you install, modify or remove Microsoft	Del	ails:			
	SQL Server. To continue, click Next.		Action	Status	Message	~
			SQL Server Edition Operating Syst	em Success		
		0	Minimum Hardware Requirement	Success		
		0	Pending Reboot Requirement	Success		
		0	Default Installation Path Permission	n Re Success		
		0	Internet Explorer Requirement	Success		
		0	COM Plus Catalog Requirement	Success		
		0	ASP.Net Version Registration Reg	uire Success		
		0	Minimum MDAC Version Requirem	ent Success		
			Filter 🔻	Stop	Report	•
	< Back Next > Cancel		Help		Next	>



Enter Name and Company. The *"Hide advanced configuration options"* checkbox must remain selected. Press *Next*.

🕼 Microsoft SQL Server 2005 Express Edition Setup	id Microsoft SQL Server 2005 Express Edition Setup
Registration Information The following information will personalize your installation.	Feature Selection Select the program features you want installed.
The Name field must be filled in prior to proceeding. The Company field is optional.	Click an icon in the following list to change how a feature is installed.
Name: Immoter Systems Company: Immoter Systems	Image: Detabase Services Image: De
	This feature requires 119 MB on your hard drive. It has 2 of 3 subfeatures selected. The subfeatures require 99 MB on your hard drive.
✓ Hide advanced configuration options	Installation path c:\Program Files\Microsoft SQL Server\ Disk Cost
Help < Back Next > Cancel	Help < Back Next > Cancel

Select "Mixed Mode". Enter password and confirmation. Click Next.

🖟 Microsoft SQL Server 2005 Express Edition Setup	🕼 Microsoft SQL Server 2005 Express Edition Setup
Authentication Mode The authentication mode specifies the security used when connecting to SQL Server.	Error and Usage Report Settings Help Microsoft improve some of the SQL Server 2005 components and services.
Select the authentication mode to use for this installation.	
Windows Authentication Mode SqL Server Authentication)	Automatically send Error reports for SQL Server 2005 to Microsoft or your corporate error reporting server. Error reports include information regarding the condition of SQL Server 2005 when an error occurred, your hardware configuration and other data. Error reports may unintentionally include personal information, which will not be used by Microsoft.
Specify the sa logon password below:	Automatically send Feature Usage data for SQL Server 2005 to Microsoft. Usage data includes anonymous information about your hardware configuration and how you use our software and services.
2 Enter password: ****** Confirm password: ******	By installing Microsoft SQL Server 2005, SQL Server and its components will be configured to automatically send fatal service error reports to Microsoft or a Corporate Error Reporting Server. Microsoft uses error reports to improve SQL Server functionality, and treats all information as confidential.
3	
Help < Back Next > Cancel	Help < Back Next > Cancel



Click Installation in progress, please wait until after the installation, then click Next.

📸 Microsoft SQL Server 2005 Express Edition Setup	Microsoft SQL Server 2005 Setup	×
Ready to Install Setup is ready to begin installation.	Setup Progress The selected components are being configured	
Setup has enough information to start copying the program files. To proceed, click Install. To change any of your installation settings, click Back. To exit setup, click Cancel.		
Ine following components will be installed: • SQL Server Database Services (Database Services)	Product Status MSXML6 Setup finished SQL Setup Support Files Setup finished SQL Native Client Setup finished SQL VSS Writer Setup finished SQL Server Database Services Setup finished	
Help < Back Install Cancel	Help <<< Back Next >>	Cancel

In order to connect remote clients, you would need to enable this feature, please follow the following procedure: Click on *"Surface Area Configuration tool"*. Then click on *"Surface Area Configuration Services and Connections"*.





In the Database Engine section, select *"Remote Connections"* then *"Local and remote connections"* then *"Using both TCP/IP and named pipes"*, then click *OK*.

📽 Surface Area Configuration for Services and Connections - localhost 🛛 🔀					
SQL Server 2005 Surface Area Configuration Help Protect Your SQL Server					
Enable only the services and connection protect your server by reducing the surface Select a component and then configure its	Enable only the services and connection types used by your applications. Disabling unused services and connections helps protect your server by reducing the surface area. For default settings, see <u>Help</u> .				
 ■ By default, SQL Server 2005 Express, Evaluation, and Developer editions allow local client connections only. Enterprise, Standard, and Workgroup editions also listen for remote client connections over TCP/IP. Use the options below to change the protocols on which SQL Server listens for incoming client connections. TCP/IP is preferred over named pipes because it requires fewer ports to be opened across the firewall. 					
	 Local connections only Local and remote connections Using TCP/IP only Using named pipes only 3 Susing both TCP/IP and named pipes 				
View by Instance View by Component					
	4 OK Cancel Apply Help				

After you press OK, you will get a *"Connection Settings Change Alert"* message notifying that changes will take effect only after your Database Engine service has been restarted. Press *OK*.





In the SQL Server Browser section, press on "Service" and make sure "Startup type:" is set to Automatic. Then press OK.

🐐 Surface Area Configuration for Services and Connections - localhost 🛛 🔀						
SQL Server 2005 Surface Area Configuration Help Protect Your SQL Server						
Enable only the services and connection types used by your applications. Disabling unused services and connections hebs protect your server by reducing the surface area. For default settings, see <u>Help</u> . Select a component and then configure its services and connections:						
GLEXPRESS GLEXPRESS GLEXPRESS GLEXPRESS Service	Image: SQLEXPRESS This service returns named pipe and TCP port information to client applications. Enabling this service is recommended for Analysis Services. Image: Supervise returns named pipe and TCP port information to client applications. Enabling this service is recommended for Analysis Services.					
Remote Connections	Service name: Display name: Description:	SQLBrowser SQL Server Browser Provides SQL Server connection information to client				
	Startup type: 2 Automatic					
	Service status:	Stopped Pause Resume				
View by Instance View by Component						
Cancel Apply Help						

In the Microsoft SQL Server 2005 Setup window, press Finish.

From the Start menu, click on *Microsoft SQL Server 2005*, *Configuration Tools* and then press on *"SQL Server Configuration Manager"*.





Under *SQL Server 2005 Network Configuration*, click on *Protocols for SQLEXPRESS*. Then right click on *TCP/IP* and press on *Properties*.

SQL Server Configuration Manager				
File Action View Help ← → 1 € 1 🚰 🐻 1 😵				
SQL Server Configuration Manager (Local) SQL Server 2005 Services SQL Server 2005 Network Configuration SQL Server 2005 Network Configuration Protocols for SQLEXPRESS 	Protocol Name Shared Memory Named Pipes TCP/IP	Status Enabled Enabled Disabled 2	Enable Disable Proper Help	ties
Opens property sheet for the current selection.				

On the *IP Addresses* tab, fill the *TCP port*. For our example we will use port 1433, and then click *OK*.

TCP/IP Properties	? 🛛
Protocol IP Addresses 1	
IP1	
Active	Yes
Enabled	No
IP Address	192.168.0.106
TCP Dynamic Ports	0
TCP Port	
IP2	
Active	Yes
Enabled	No
IP Address	127.0.0.1
TCP Dynamic Ports	0
TCP Port	
TCP Dynamic Ports	1044 2
TCP Port	1433 🗲 🗕
TCP Port	
TCP port	
3 ОК Са	ncel Apply Help

After you press OK, you will get a *"Warning"* message notifying that changes will take effect only after your Database service has been restarted. Press *OK*.





Click on SQL Server 2005 Services section, right click on "SQL Server (SQLEXPRESS)" then press on Restart.

🛐 SQL Server Configuration Manager				
File Action View Help				
SQL Server Configuration Manager (Local)	Name		State	Start Moc
SQL Server 2005 Services	DSQL Server Browser		Stopped	Automati
SQL Server 2005 Network Configuration	SQL Server (SQLEXPRESS)	Start	Running	Automati
		Stop		
_		Pause		
		Resume	-	
	2	Restart		
	Prop	Properties		
		Help		
	<			>
Restart (stop and then start) selected service.				

Your Database service will restart.

Click on SQL Server 2005 Services section, right click on "SQL Server Browser" then press on Properties.

SQL Server Configuration Manager				
File Action View Help ← → 1 🗈 🗃 🗔 💡 🕥 🕕 💿 ⊘				
SQL Server Configuration Manager (Local) SQL Server 2005 Services 1 SQL Server 2005 Network Configuration Protocols for SQLEXPRES5 SQL Native Client Configuration	Name SQL Server Browser SQL Server (SQLEXPRESS) 2	Start Stop Pause Resume Restart Properties Help	State Stopped Running	Start Moc Automati Automati
	<)		>
Opens property sheet for the current selection.				



On the Service tab, make sure "Start Mode" is set to Automatic and then click OK.

QL Ser Log On	ver Browser Properties	?
🖯 Ger	eral 1	
Bina	ry Path	"c:\Program Files\Microsoft SOL Ser
Erro	r Control	1
Exit	Code	1077
Hos	: Name	OFFICE-D5A55C8B
Nam	e	SQL Server Browser
Proc	ess ID	0
SQL	Service Type	SQL Browser
Star	t Mode	Automatic 🗾 👻
Stat	e 2	Automatic
		Disabled
		Manual
Start I	Mode rt mode of this service.	
:	3 OK Cance	Apply Help

Right click on "SQL Server Browser" and press on Start.

🛐 SQL Server Configuration Manager				
File Action View Help				
SQL Server Configuration Manager (Local)	Name		State	Start Moc
SQL Server 2005 Services	SQL Server Browser	-	Stopped	Automati
SQL Server 2005 Network Configuration	SQL Server (SQLEXPRESS)	Start	Running	Automati
SOL Native Client Configuration	2	Stop		
Er ,⊋, SQL Madve Client Coningdiation		Pause		
		Resume		
		Restart		
		Properties		
		Help		
			-	
	<			>
Start selected service.				



If your computer has a firewall, and it is enabled, please follow the following procedure: From the *Control Panel*, open the *firewall*, select the *"Exceptions"* tab and then click *Add Port*.

😻 Windows Firewall 🛛 🔀
General Exceptions Advanced
Windows Firewall is blocking incoming network connections, except for the programs and services selected below. Adding exceptions allows some programs to work better but might increase your security risk.
Programs and Services:
Name
 ☐ File and Printer Sharing ☑ Remote Assistance ☐ Remote Desktop ☐ UPnP Framework
Add Program Add Port Edit Delete
Display a notification when Windows Firewall blocks a program
What are the risks of allowing exceptions?
OK Cancel

In the *Name* field, type SQLSERVER and enter the port number 1433 (or the port that you used in the previous steps), select *TCP* check box, and then press *OK*.

Add a Port 🛛 🔀		
Use these settings to open a port through Windows Firewall. To find the port number and protocol, consult the documentation for the program or service you want to use.		
Name: SQLSERVER		
Port number: 1433 -		
What are the risks of opening a port?		
Change scope OK Cancel		



Click Add port again to add an additional port.

In the *Name* field, type SQLSERVERBROWSER and enter port number 1434, select *UDP* check box, and then click *OK*.

Add a Port	\mathbf{X}	
Use these settings number and protoc want to use.	to open a port through Windows Firewall. To find the port ol, consult the documentation for the program or service you	
Name:	SQLSERVERBROWSER	
Port number:	1434	
What are the risks of opening a port?		
Change scope	OK Cancel	

The SQL Server configuration is now complete. You may close all windows.

😺 Windows Firewall 🛛 🚺	×
General Exceptions Advanced	
Windows Firewall is blocking incoming network connections, except for the programs and services selected below. Adding exceptions allows some programs to work better but might increase your security risk.	
Programs and Services:	
Name	
 ☐ File and Printer Sharing ☑ Remote Assistance ☐ Remote Desktop ☑ SQLSERVER ☑ SQLSERVERBROWSER ☐ UPnP Framework 	
Add Program Add Port Edit Delete	
Display a notification when Windows Firewall blocks a program	
What are the risks of allowing exceptions?	
OK Cancel	



Creating an Installation for Visor 360

From the *Start* menu or your desktop, double click on the *Visor 360* icon, select your language and press *OK*.

In the Management of installations window, click on Add.

Management of installations	
	Actions
	🚰 Open
→	🐴 Add 🎦
	🛅 Modify
	🚉 Delete
	🛃 Save
	🍋 Restore
Calact as installation on an action	

In the type of installation, select Server station (SQL Server database) and press Next.

🖗 New installation		×
	1. Choice of installation type	
	What type is your installation?	
	 Single-station installation (Access database) 	
	📀 Client/server installation: server station (SQL Server database)	
	O Client/server installation: client station (SQL Server database)	
	 Installation with Windows service (SQL Server database) 	
	Back	



Select the database you have created and press OK.

Searching for SQL servers
List of servers
OFFICE-D5A55C8B\SQLEXPRESS
OK Cancel

Enter the name of your installation, select the SQL Server authentication mode, Enter Login ("sa" by default) and Password, then click *Next*.

New installation		×
	2. Database location 1 Indicate the name of your installation: New installation 1 Image: Comparison of the state of the stat	
	Back Next Cancel	



Press Next.

New installation	
	3. Type of reader
	Do you know what type of reader is used?
	Yes, I use the following type of reader: Wiegand
	Back Next Cancel

Press Confirm.

New installation	4. Confirmation Creation of next installation: Creating installation: New installation 1 Path: OFFICE-D5455C88\SQLEXPRESS	
	Client/server installation: server station (SQL Server database)	<u>.</u>
	Back	Confirm ext Cancel



Your new Visor 360 installation has been successfully created.

🖗 Management of installations	
New installation 1	Actions Den Add Add Add Add Save Restore
OFFICE-D5A55C8B\SQLEXPRES5	

If the SQL Server is on the same computer as Visor 360, proceed without any additional steps.

Otherwise, make sure your computer has proper network access rights to the shared directory accessible by the SQL Server and Visor 360 software.

