

# Aimetis Symphony™

Version 6.8

Installation Guide

November 2011



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# Document History

## Sym-6.8-P-100





**Table 1. Changes to this manual**

Date	Description
November 2011	Release 6.8
August 2011	Release 6.7
6.6 changes	
July 6, 2011	REVISED: <a href="#">"Figure 1. Road map of first time installation"</a> on page 17 <a href="#">"Before Running the Setup Wizard"</a> on page 25 <a href="#">"Disabling Database Schema Modifications (ONLY if upgrading and ONLY for first server)"</a> on page 25 <a href="#">"Enable Remote SQL Connections"</a> on page 26
June 3, 2011	Icon change for Notes and Examples. <a href="#">"Conventions"</a> on page iv. Font change - highly readable for both online and print documents.
May 16, 2011	New sections: <a href="#">"Installing License Plate Recognition (LPR)"</a> on page 41 <a href="#">"Uninstalling License Plate Recognition (LPR)"</a> on page 47 <a href="#">"Troubleshooting"</a> on page 50
6.5 changes	
March 1, 2011	Changed value setting in AllowAutomaticDatabaseConfiguration to "0". <a href="#">"Disabling Database Schema Modifications (ONLY if upgrading and ONLY for first server)"</a> on page 25
January 14, 2011	Added note below <a href="#">Table 3, "Database (SQL Server),"</a> on page 6. Ensure that the SQL Server database is on a local network (100Mbps or greater) connected to the servers in the farm.
October 6, 2010	First version of this document. Symphony 6.5.3

# Preface

## Conventions

Table 1. Symbols and formatting used in this manual

Icon	Caption/Format	Description
	Note	Additional information.
	Example	Example scenario.
	Important	Vital additional instructions or links.
	Caution	You could lose recording footage or you must pay close attention to setting changes.
	<b>Bold, Arial Font</b>	Graphic User Interface term (button, menu, window, option) or keyboard item.
	<i>Italic, Arial</i>	Emphasis, new term, or an external reference.

# Document Suite

**Table 2. AIMETIS documents and videos**

Document Name	Links
Symphony 6.8 What's New & Release Notes	<a href="https://www.aimetis.com/Xnet/downloads/documentation.aspx">https://www.aimetis.com/Xnet/downloads/documentation.aspx</a>
Symphony 6.8 Installation Guide	<a href="https://www.aimetis.com/Xnet/downloads/documentation.aspx">https://www.aimetis.com/Xnet/downloads/documentation.aspx</a>
Symphony 6.8 Admin and Analytics Guide	<a href="https://www.aimetis.com/Xnet/downloads/documentation.aspx">https://www.aimetis.com/Xnet/downloads/documentation.aspx</a>
Symphony 6.8 Client User Guide	<a href="https://www.aimetis.com/Xnet/downloads/documentation.aspx">https://www.aimetis.com/Xnet/downloads/documentation.aspx</a>
Knowledge Base Articles	<a href="http://www.aimetis.com/Support/knowledgebase.aspx">http://www.aimetis.com/Support/knowledgebase.aspx</a>
Case Studies	<a href="http://www.aimetis.com/Solutions/customers-case-studies.aspx">http://www.aimetis.com/Solutions/customers-case-studies.aspx</a>
White Papers	<a href="http://www.aimetis.com/Solutions/whitepapers.aspx">http://www.aimetis.com/Solutions/whitepapers.aspx</a>
Application Video Samples	<a href="https://www.aimetis.com/Xnet/Marketing/collateral-library.aspx">https://www.aimetis.com/Xnet/Marketing/collateral-library.aspx</a>
Recorded Webinars	<a href="http://www.aimetis.com/Events/webinars.aspx">http://www.aimetis.com/Events/webinars.aspx</a>
Product Tour	<a href="https://www.aimetis.com/Xnet/Marketing/collateral-library.aspx">https://www.aimetis.com/Xnet/Marketing/collateral-library.aspx</a>
Supported Video Devices List	<a href="http://www.aimetis.com/Support/supported-video-devices.aspx">http://www.aimetis.com/Support/supported-video-devices.aspx</a>
Licensing	<a href="http://www.aimetis.com/Symphony/default--licensing.aspx">http://www.aimetis.com/Symphony/default--licensing.aspx</a>
FAQ	<a href="https://www.aimetis.com/Xnet/Support/faqs.aspx">https://www.aimetis.com/Xnet/Support/faqs.aspx</a>

# AIMETIS Xnet Portal

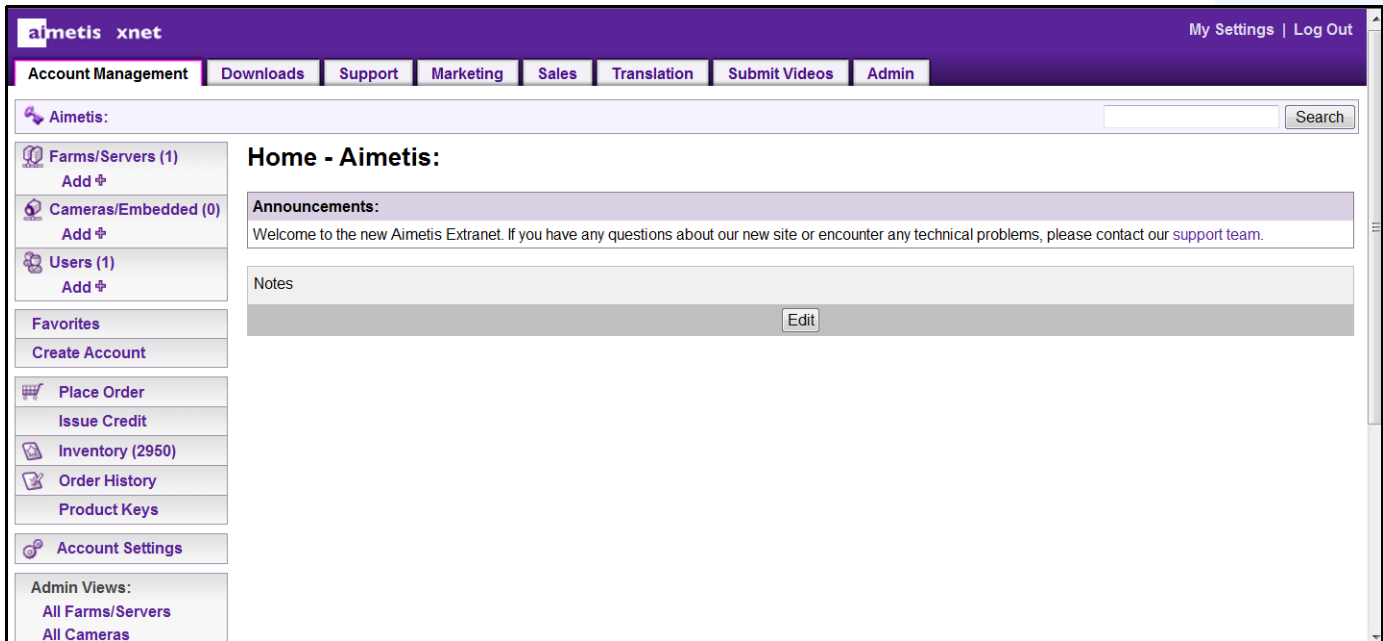


Figure 1. Aimetis Xnet home page

Xnet is the Aimetis Online Portal: [www.aimetis.com/Xnet](http://www.aimetis.com/Xnet)

You can :

- Order Licenses
- Manage Sub-Partner Accounts
- Access Technical Support & Downloads
- Access Sales & Marketing Tools
- Access Aimetis Software Translation



**Note:** Access to tools depends on account type, for example, Distributor, Certified Partner, Authorized Partner, End-User. For instructions, see [Table 3 on page vi](#).

Table 3. Instructions for using the Xnet

XnetXnet Instructions	Links
XnetXnet Training Manual - Resellers	<a href="https://www.aimetis.com/Xnet/Marketing/collateral-library.aspx">https://www.aimetis.com/Xnet/Marketing/collateral-library.aspx</a>
Recorded Webinar - Xnet Training - Distributors	<a href="https://www.aimetis.com/Xnet/Marketing/collateral-library.aspx">https://www.aimetis.com/Xnet/Marketing/collateral-library.aspx</a>

**Table 3. Instructions for using the Xnet**

<b>XnetXnet Instructions</b>	<b>Links</b>
Recorded Webinar - Xnet Training - Channel Partners	<a href="https://www.aimetis.com/Xnet/Marketing/collateral-library.aspx">https://www.aimetis.com/Xnet/Marketing/collateral-library.aspx</a>
Xnet Training Manual - Distributors	<a href="https://www.aimetis.com/Xnet/Marketing/collateral-library.aspx">https://www.aimetis.com/Xnet/Marketing/collateral-library.aspx</a>
Aimetis Symphony Architectural and Engineering Specification	<a href="https://www.aimetis.com/Xnet/Marketing/collateral-library.aspx">https://www.aimetis.com/Xnet/Marketing/collateral-library.aspx</a>
Hardware Benchmarks guidelines for 10, 20, 40 and 200 camera systems.	<a href="https://www.aimetis.com/Xnet/Marketing/collateral-library.aspx">https://www.aimetis.com/Xnet/Marketing/collateral-library.aspx</a>

# Contact Us

**Table 4. Contact links, addresses, phone numbers**

Contact Type	Description
About AIMETIS	<a href="http://www.aimetis.com/Company/default.aspx">http://www.aimetis.com/Company/default.aspx</a>
Contact link	<a href="http://www.aimetis.com/Company/contact.aspx">http://www.aimetis.com/Company/contact.aspx</a>
Support link	<a href="http://www.aimetis.com/Support/default.aspx">http://www.aimetis.com/Support/default.aspx</a>
Americas	Aimetis Headquarters 500 Weber Street North Waterloo, Ontario, Canada N2L 4E9 Phone: +1866-544-2804 or +1 519-746-8888 Fax: +1 519-746-6444
EMEA	Aimetis GmbH Am Prime Parc 7 65479 Raunheim Germany Telefon: +49 (0) 6142 207 98 60 Fax: +49 (0) 6142 207 98 89 <a href="http://www.aimetis.de">www.aimetis.de</a>
Asia - Pacific	Aimetis China 5/F Standard Chartered Tower 201 Shiji Avenue Pudong Shanghai China 200120 Phone: 86-21-6182-6916 Fax: 86-21-6182-6777



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# Getting Started

Task	Link to instructions in this guide
Read overview and prerequisites	<a href="#">“Overview and Prerequisites” on page 2</a>
Upgrade from a previous version	<a href="#">“Upgrade Path” on page 13</a>
Perform a first-time installation of the product (Server/Client/Player)	<a href="#">“Installation Instructions” on page 16</a>
Install using the command-line (optional)	<a href="#">“(Alternate) Installing Aimetis Symphony Server from the Command Line” on page 23</a>
Configure the Server after InstallShield Wizard finishes	<a href="#">“Setup Wizard – Server/Farm Configuration” on page 25</a>
Configure the database manually if the user does not have database Admin rights	<a href="#">“Manual Database Configuration” on page 25</a>
If upgrading only, disable database schema modifications if the user does not have database Admin rights	<a href="#">“Disabling Database Schema Modifications (ONLY if upgrading and ONLY for first server)” on page 25</a>
Enable SQL connections if your existing SQL Server is not located on local machine	<a href="#">“Enable Remote SQL Connections” on page 26</a>
Install Aimetis Symphony Client (a default installation with the Symphony Server)	<a href="#">“Installing Aimetis Symphony Client” on page 39</a>
Install Symphony Player (a default installation with Symphony Client)	<a href="#">“Installing Symphony Player” on page 40</a>
Install License Plate Recognition (optional, if purchased)	<a href="#">“Installing License Plate Recognition (LPR)” on page 41</a>
Remove the product	<a href="#">“Uninstalling Aimetis Symphony v6.8 Server” on page 44</a>
	<a href="#">“Uninstalling Aimetis Symphony Client” on page 45</a>
	<a href="#">“Uninstalling Aimetis Symphony Player” on page 46</a>
	<a href="#">“Uninstalling License Plate Recognition (LPR)” on page 47</a>
Remove the SQL server that was installed with the product on the local machine	<a href="#">“Uninstalling SQL Server Instance” on page 48</a>

# Overview and Prerequisites

Learn about...
<a href="#">"Software Overview" on page 3</a>
<a href="#">"Symphony Server Licensing" on page 4</a>
<a href="#">"Prerequisites" on page 5</a>
<a href="#">"Server" on page 5</a>
<a href="#">"Client" on page 5</a>
<a href="#">"Operating Systems, Database, and Browsers" on page 5</a>
<a href="#">"Client Prerequisites Installed Automatically" on page 8</a>
<a href="#">"Server Prerequisites Installed Automatically" on page 8</a>
<a href="#">"Symphony Installation and Data Folders" on page 10</a>

## Software Overview

An installation of Aimetis Symphony™ has two components: server software and client software. The Server and Client installer will set up both components on a single computer. One computer and one camera is all you need to get started.

The server software handles all video recording and analytics and can be used with analog or IP cameras. The client software provides the user interface for all tasks including monitoring, searching, reporting and configuration. A typical site would have many desktop computers with the client software connecting to a dedicated server computer running the server software. At larger sites, the server software may be run on multiple computers linked together to form a Server Farm.

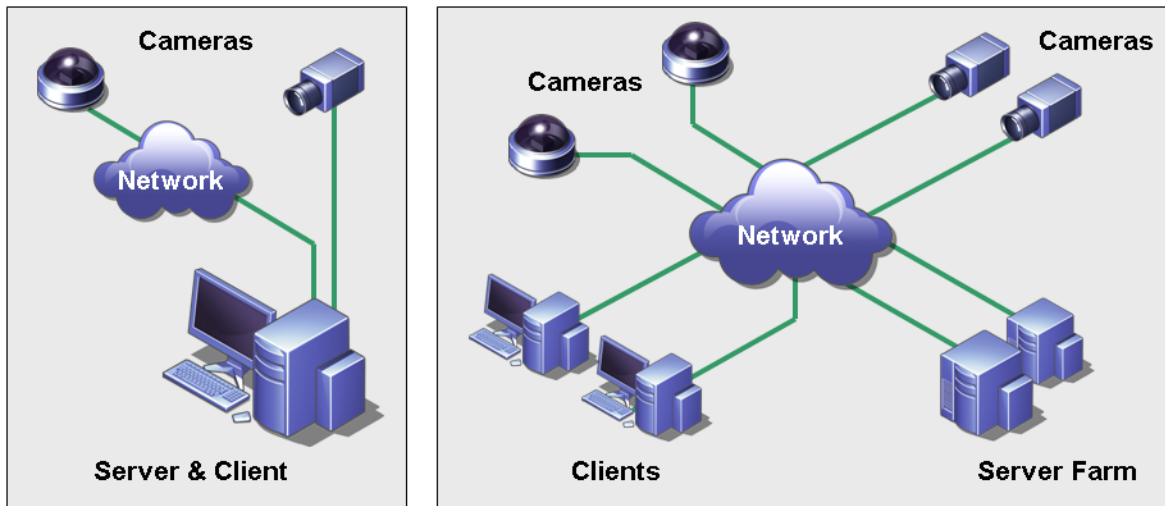


Figure 1. Typical and Larger Sites

## Symphony Server Licensing

If you are upgrading an existing installation, ensure that your licenses are eligible for the software version you are installing. If not, contact your Aimetis distributor for an upgrade.

Aimetis Symphony is licensed on a per camera basis. Each physical computer can have multiple Symphony software licenses. The license types are: Standard, Professional and Enterprise. No server or client license fees apply.

License Type	Description
Symphony Server Standard License	Contains all the core video management features such as video recording from network and analog devices, video playback, search, and an integrated camera tree or site map for easy navigation.
Symphony Server Professional License	Contains all the core features of the Standard License plus advanced functionality such as server farms, access control integration and video walls. This license type is used in large deployments.
Symphony Server Enterprise License	Building on the functionality found in Professional, video analytics can be added on a per camera basis which augments the accuracy of alarm monitoring and includes business intelligence reporting such as people counting.

Licenses can be mixed per physical server, allowing Standard, Pro, and Enterprise to be used per single server. However, there is no advantage of having Standard and Professional licenses mixed on the same server since advanced VMS features will be available only if all licenses are Professional or higher.

## Prerequisites

### Server

- Any Intel CPU or any AMD CPU that supports SSE2 (for example, Opteron)
- 500 Megabytes of free disk space
- At least 1 Gigabyte of RAM

### Client

- 200 Megabytes of free disk space
- 2 GHz or faster processor is recommended
- At least 1 Gigabyte of RAM

### Operating Systems, Database, and Browsers

- **S** = Supported
- **R** = Recommended
- **G** = Recommended for a deployment of greater than 20 cameras

Table 1. SERVER Operating Systems - Windows

Symphony Product Version	Windows 2000	Windows XP SP3 <sup>a</sup>	Windows Server 2003	Windows Vista <sup>a</sup>	Windows Server 2008 R2 <sup>b</sup>	Windows 7
5.4	<b>S</b>	<b>S</b>	<b>S</b>			
6.1		<b>S</b>	<b>S</b>			
6.2		<b>S</b>	<b>S</b>	<b>S</b>	<b>S,R,G</b>	
6.5		<b>S</b>	<b>S</b>	<b>S</b>	<b>S,R,G</b>	<b>S,R</b>
6.6		<b>S</b>	<b>S</b>	<b>S</b>	<b>S,R,G</b>	<b>S,R</b>
6.7		<b>S</b>	<b>S</b>	<b>S</b>	<b>S,R,G</b>	<b>S,R</b>
6.8		<b>S</b>	<b>S</b>	<b>S</b>	<b>S,R,G</b>	<b>S,R</b>

a. See Windows Vista and XP Microsoft End of Support Solution Center

<http://windows.microsoft.com/en-us/windows/help/end-support-windows-xp-sp2-windows-vista-without-service-packs?os=other>

b. Windows 2008 R2 does not install sound components by default. You must install the Desktop Experience Windows component.

**Table 2. CLIENT Operating Systems - Windows**

Symphony Product Version	Windows 2000	Windows XP SP3 <sup>a</sup>	Windows Server 2003	Windows Vista <sup>a</sup>	Windows Server 2008 R2 <sup>b</sup>	Windows 7
5.4	S	S	S			
6.1	S	S	S			
6.2	S	S	S	S	S	
6.5	S	S	S	S	S	S,R,G
6.6	S	S	S	S	S	S,R,G
6.7	S	S	S	S	S	S,R,G
6.8	S	S	S	S	S	S,R,G

a. See Windows Vista and XP Microsoft End of Support Solution Center

<http://windows.microsoft.com/en-us/windows/help/end-support-windows-xp-sp2-windows-vista-without-service-packs?os=other>

b. Windows 2008 R2 does not install sound components by default. You must install the Desktop Experience Windows component.

**Table 3. Database (SQL Server)**

Symphony Product Version	SQL Server 2000	SQL Server 2005	SQL Server 2008
5.4	R		
6.1	S	R	
6.2		R	S
6.5		S	R
6.6		S	R
6.7		S	R
6.8		S	R

Ensure that the SQL Server database is on a local network (100 Mbps or greater) connected to the servers in the farm.



**Table 4. Browsers**

Symphony Product Version	IE6 <sup>a</sup>	IE7 <sup>a</sup>	IE8 <sup>a</sup>	Firefox 3.x	Safari 5	Chrome 5
5.4	R					
6.1	R					
6.2	S	R				
6.5			R	*	*	*
6.6			R	*	*	*
6.7			R	*	*	*
6.8			R	*	*	*

a. Limited support for 64-bit version of IE.

\*Limited support (reports, alarms, timeline, JPGs). No live or historical video.

**Table 5. Virtualization Platforms**

Symphony Product Version	Microsoft Virtual PC	VMware Server
5.4		
6.1		
6.2		
6.5	S	R
6.6	S	R
6.7	S	R
6.8	S	R

## Client Prerequisites Installed Automatically

The following prerequisites are required by Symphony and (if necessary) will be installed automatically.

**Table 6. Client Prerequisites**

Item	Version	commandline install
XML 6.0 SP1 (x86)	6.10.1129.0	msxml6_x86.msi /qn
XML 6.0 SP1 (x64)	6.10.1129.0	msxml6_x64.msi /qn
Visual C++ 2008 Redistributable Package (x86)	9.0	(components installed by merge modules in installer)
Microsoft .NET Framework 2.0 SP2 (32 bit, exe install)	2.0 SP2 32bit	NetFx20SP2_x86.exe /q /norestart
Microsoft .NET Framework 2.0 SP2 (64bit where applicable, exe install)	2.0 SP2 64bit	NetFx20SP2_x64.exe /q /norestart (only on 64-bit machines)
Visual C++ 8.0 Redistributable (exe install)	8.0 (Service Pack 1 with ATL Security Update, 8.0.50727.4053)	Vcredist_x86_ATLUpdate.exe /q
Microsoft Data Access Components (MDAC) 2.8	N/A	Setup.exe
Aimetis Core	6.8.0.0	Msiexec /i AimetisCoreInstall.msi /q

## Server Prerequisites Installed Automatically

The following prerequisites are required by Symphony and (if necessary) will be installed automatically.

**Table 7. Server Prerequisite**

Item	Version	commandline install
XML 6.0 SP1 (x86)	6.10.1129.0	msxml6_x86.msi /qn
XML 6.0 SP1 (x64)	6.10.1129.0	msxml6_x64.msi /qn
Visual C++ 2008 Redistributable Package (x86)	9.0	(components installed by merge modules in installer)
Microsoft .NET Framework 2.0 SP2 (32 bit, exe install)	2.0 SP2 32bit	NetFx20SP2_x86.exe /q /norestart
Microsoft .NET Framework 2.0 SP2 (64bit where applicable, exe install)	2.0 SP2 64bit	NetFx20SP2_x64.exe /q /norestart (only on 64-bit machines)

**Table 7. Server Prerequisite (Continued)**

Item	Version	commandline install
Visual C++ 8.0 Redistributable (exe install)	8.0 (Service Pack 1 with ATL Security Update, 8.0.50727.4053)	Vcredist_x86_ATLUpdate.exe /q
Microsoft Data Access Components (MDAC) 2.8	N/A	Setup.exe
Aimetis Core	6.8.0.0	Msiexec /i AimetisCoreInstall.msi /q
Aimetis SNMP	6.8.0.0	SNMPInstallLauncher.exe "INSTALLDIR=[INSTALLDIR]" (Required files, SNMPInstallLauncher.exe, SNMPSetup.exe, SNMPSetup64.exe)
Microsoft SQL Server Express 2005 Service Pack 2(Optional)	9.00.3042.00	SQLEXPR.exe /qn ADDLOCAL=ALL INSTANCENAME=AIMETIS SECURITYMODE=SQL SAPWD=[SQL_SA_PASSWORD]
OPC Core Components 2.00 Redistributable	2.00.2.20	N/A

# Symphony Installation and Data Folders

## Symphony Server

Symphony server stores three kinds of data to your hard disk.

- Binary application files
- Video data
- Configuration information stored in a SQL Server Database.

Symphony is installed by default in

```
C:\Program Files\Aimetis\Symphony\
```

The default path for all data (log files, video, etc.) is

```
C:\Program Files\Aimetis\Symphony\data\
```

You can change the:

- default installation path during installation of **Aimetis Symphony v6.6**.
- default data path during the Setup Wizard.

[Table 8](#) provides a summary of key folders

- <AppRoot> denotes installation path
- <DataRoot> denotes data path)

**Table 8. Key Folders**

Path	Description
<AppRoot>\_bin	Binaries for all <b>Aimetis Symphony v6.6</b> executables and DLLs
<AppRoot>\_docs	Small .txt files storing alarm instructions and Aimetis.com's IP address
<AppRoot>\_tools	Tools and utilities that Aimetis Support Specialists use to diagnose system problems
<AppRoot>\_Scripts	Scripts for configuring Symphony. For example, a database schema creation script for manually creating the Symphony database
<AppRoot>\WebRoot	Web files & binaries
<DataRoot>\_footagearchive	Video data recorded from all cameras
<DataRoot>\_images	A cache of JPEG images generated from the footage
<DataRoot>\_logs2	All server log files useful for debugging and diagnosing problems.
<DataRoot>\_searches	Stored searches. These files will not be automatically cleaned and searches must be manually deleted by user
<DataRoot>\_signals	Timeline data (green, yellow, red)
<DataRoot>\_signals2	XML metadata for searches and reports
\windows\temp\config_backup\	Location for automatic backups of server configuration

In addition to the folders listed in [Table 8](#), Symphony Server adds the following registry keys:

```
HKLM\Software\Aimetis
```

Some configuration data for the server is stored here, such as the database connection string.



**Caution:** It is highly recommended that the <DataRoot> folders are not on the same physical Hard Disk as Windows and <AppRoot>. This is to limit the amount of disk read and writes to the OS disk to prevent catastrophic failure.

---

## Symphony Client

Aimetis Symphony Client is installed by default in

`C:\Program Files\Aimetis\Symphony Client\`

### Key Folders

**Table 9. Key Folders for Client**

Folder	Description
<code>C:\Documents and Settings\%WINUSER%\Application Data\Aimetis\</code>	All client configuration, such as window layouts, general configuration, logs
<code>C:\Documents and Settings\All Users\Application Data\Aimetis\</code>	This folder contains <code>RegisteredFarms.xml</code> and <code>FarmList.xml</code>



**Note:** These paths may be slightly different on different operating system versions.

These files define the farms that have been registered. The default is whatever the client configuration path is set to but you can override this. The paths in [Table 9](#) can be configured via the Aimetis Symphony Client **Settings** dialog box.

- From the **View** menu, select **Settings**.

Two (optional) variables can be used in the path names:

- **%WINUSER%** represents the Windows username of the current user. This is used in the default path so Symphony can store the configuration in the current user's application data folder.
- **%SYMPHONYUSER%** represents the Symphony username. This is valid only if credentials are required for login to Symphony.

If a customer prefers to keep these settings global, do not use either of these variables when specifying the paths.

In addition to the folders in [Table 9](#), Aimetis Symphony Client adds the following registry keys:

`HKLM\Software\Aimetis\AiraExplorer`

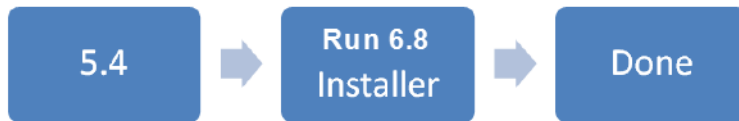
# Upgrade Path

## Upgrading from a Previous Version



**Caution:** Before upgrading, perform a backup of your existing installation.

### From 5.4 to 6.8



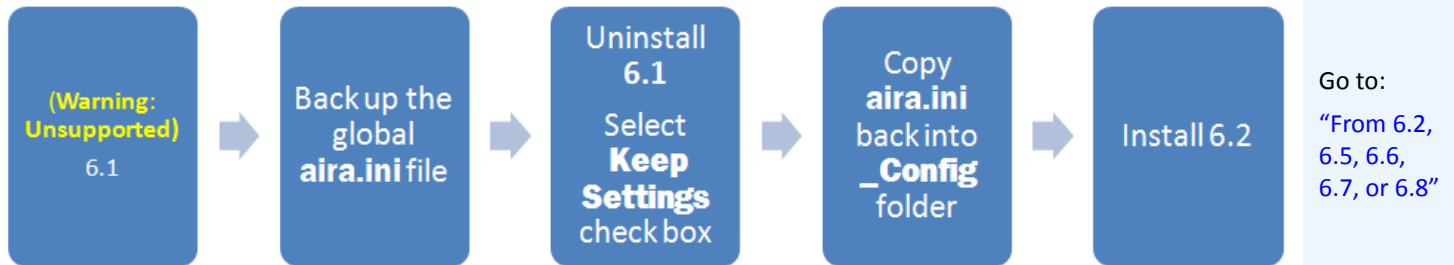
### From 6.0 to 6.8

Upgrading from 6.0 is **NOT** supported. You may try the following upgrade path.

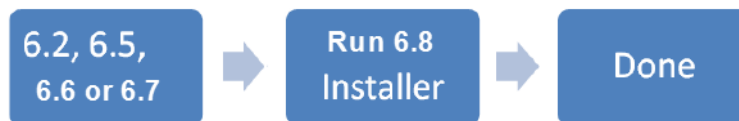


## From 6.1 to 6.8

Upgrading from 6.1 is **NOT** supported. A new installation is recommended; however, you may try the following upgrade path.



## From 6.2, 6.5, 6.6, 6.7, or 6.8



## Upgrading a server farm containing multiple servers

You must do the following:

- Upgrade all servers to the same version.
- Upgrade any redundant servers first, followed by other servers.
- Do not make any configuration changes using a previous version of the software once you have started the process of upgrading a server farm.



## Procedure

---

### To upgrade your version of Symphony server to the latest version:

1. Run the latest installer to upgrade.
  - You do not need to manually uninstall previous versions
  - You do not need to manually move any cameras
  - Any required components missing on your machine are listed in the InstallShield Wizard dialog box. The installer checks for any previous versions of Aimetis software installed on the machine. If any previous versions exist, **UninstallPreviousVersions** is displayed under **Requirement** column in the wizard dialog box.
2. To install missing components and to uninstall a previous version, click **Install**.
3. After reviewing the license and warranty information in the License Agreement screen, click **I accept the terms of the license agreement**.
4. Click **Next**. Symphony v6.8 will be installed to the location specified. This will be the location of your previous install. You cannot change this location.
5. Click **Install**. Your system is now upgraded to v6.8.

# Installation Instructions

## Pre-installation

Your Symphony™ v6.8 configuration depends on the size of your camera deployment, your geographic considerations, and the product integration with other systems. You need to consider network and hardware specifications, standalone versus multi-server configurations and the following factors.

### You must:

#### 1. Have a valid Aimetis Xnet Account

Before installing the Symphony server, you must have a valid Aimetis Xnet account. During installation of the software you will be prompted for your Xnet login credentials, so that Symphony can download and install the appropriate license automatically.

See <http://www.aimetis.com/xnet/login.aspx>.

#### 2. Assess your hardware requirements

Prior to installing Symphony Server, you must assess hardware requirements to meet the needs of your organization's deployment plan. An organization with a single location and 10 cameras will have different requirements than an organization with multiple locations and over 1000 cameras. For help calculating hardware requirements, go to XNet, the Aimetis Online Portal: <http://www.aimetis.com/xnet/login.aspx>.

#### 3. Understand the concept of multi-server deployments (Server Farms)

A **server farm** is a collection of computer servers used to accomplish server needs beyond the capability of one machine. Server farms often have backup (redundant) servers, which can take over the function of primary servers in the event of a primary server failure.

Aimetis Symphony takes advantage of server farms by distributing the workload of camera processing across several servers. Symphony also supports server farm redundancy by moving camera processing from a 'down' server to a 'redundant' server. With Symphony, all live and redundant servers are homogeneous in that they all run the same software services and can potentially run the processing of any camera.

## Installing Aimetis Symphony Server v6.8

The following instructions are for a first time installation of the product.

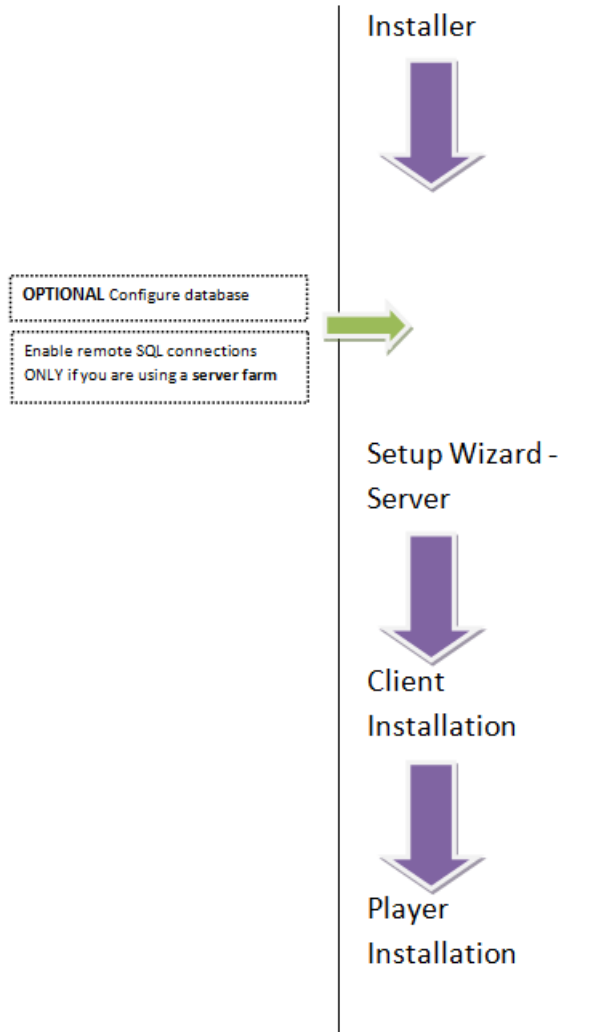


Figure 1. Road map of first time installation



**Note:** At any point during the installation, you can click the **Cancel** button.

You are asked whether you want to cancel the server installation.

Click **No** to continue with the installation.

or

Click **Yes** to cancel this installation. This will rollback changes that have been made to your system. Click **Finish** to exit the **InstallShield Wizard**.

## Procedure

### To install Symphony v6.8 server:

1. Run the installer.
  - You do not need to manually uninstall previous versions
  - You do not need to manually move any cameras
  - Any required components missing on your machine are listed in the InstallShield Wizard dialog box (Figure 2).
2. To install missing components, click **Install**.

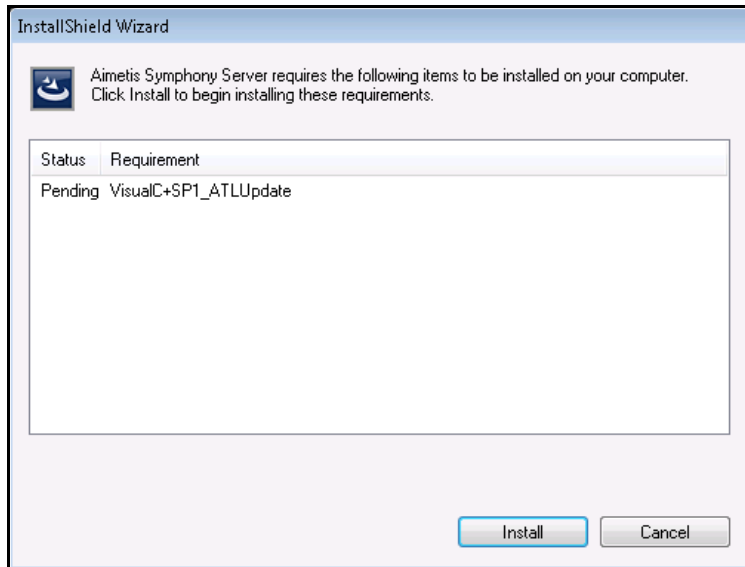


Figure 2. Missing components listed

3. After reviewing the license and warranty information in the License Agreement screen (Figure 3 on page 19), click **I accept the terms of the license agreement**.

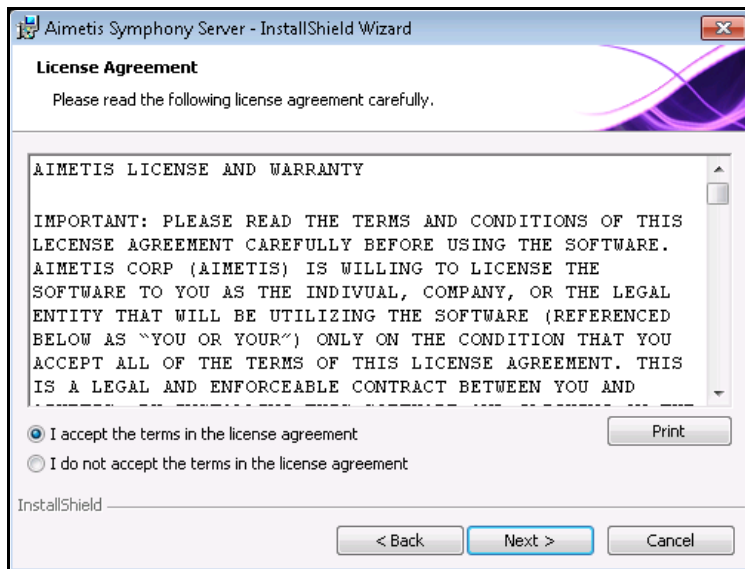


Figure 3. License agreement

4. Click **Next**. The SQL Server screen is displayed (Figure 4).
5. By default, the **Install SQL Server 2005 Express** check box is selected. This database will be installed with the named Instance AIMETIS.



Figure 4. SQL Server screen with Install SQL Server 2005 Express check box selected

- If you want the SQL Server installed (recommended):

1. Enter a password for the database connection. It will be used by the administrator (system administrator user). The password must contain at least 8 characters and be a combination of 3 of the 4 following types of characters:

- Upper case letters (Examples: ABC)
- Lower case letters (Examples: abc)
- Digits (Examples: 123)
- Symbols (Examples: #\_!) but not @

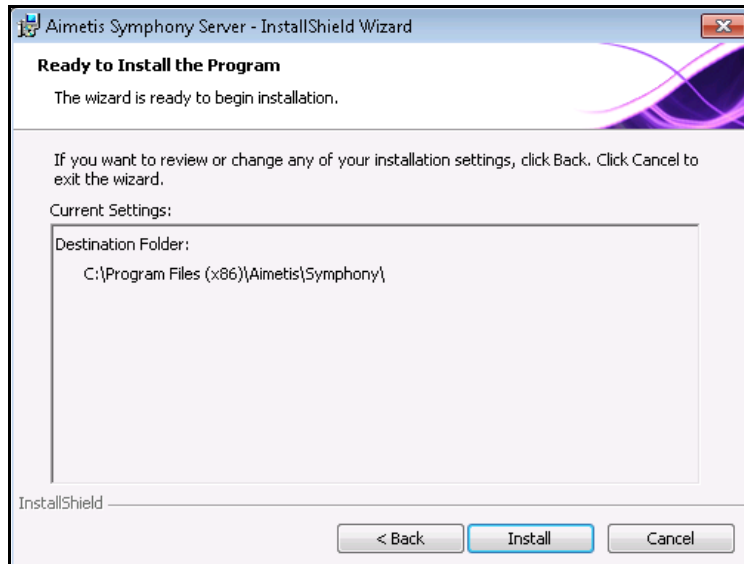
2. Enter the same password in both fields and click **Next**.

If the password does not meet these requirements you will see the following message on the screen when you click the **Next** button.

The password you have entered does not meet the strength requirements  
If the passwords do not match, you will see the following message on the screen when you click the **Next** button.

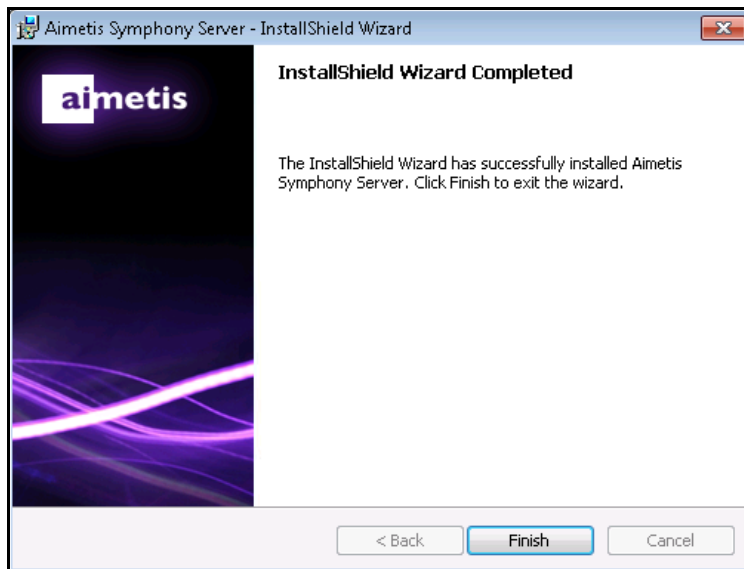
The passwords you have entered do not match. Please re-enter them.

- If you do not want to have SQL Server installed, clear the **Install SQL Server 2005 Express** check box.
    - If your existing SQL Server is not located on the local machine or if you have multi-server farms, you must enable TCP/IP connections on the remote machine's database and open up the firewall to allow connectivity between the Symphony Server and the database (default SQL Server port is 1433). See ["Enable Remote SQL Connections"](#) on page 26.
6. Click **Next**. The **Ready to Install the Program** screen appears (Figure 5).



**Figure 5. Destination folder**

7. (Optional) To change the installation location of Symphony Server, click **Back** and then the **Change** button. You are not required to change this value.
  - In the **Change Installation Folder** screen, enter the folder path in the **Folder name** field and click **OK**. The new destination is displayed next to the folder icon. (You can use the folder navigation in the **Look in** portion of the screen to navigate to the desired location.)
8. Click **Next**. The **Ready to Install the Program Screen** appears.
9. Review the data in the **Current Settings** area. If this information is correct click **Install** to proceed with the installation.
10. To complete the installation, click **Finish** (Figure 6).



**Figure 6. Installation complete**

11. Go to [“Setup Wizard – Server/Farm Configuration”](#) on page 25.

## Symphony Programs Installed

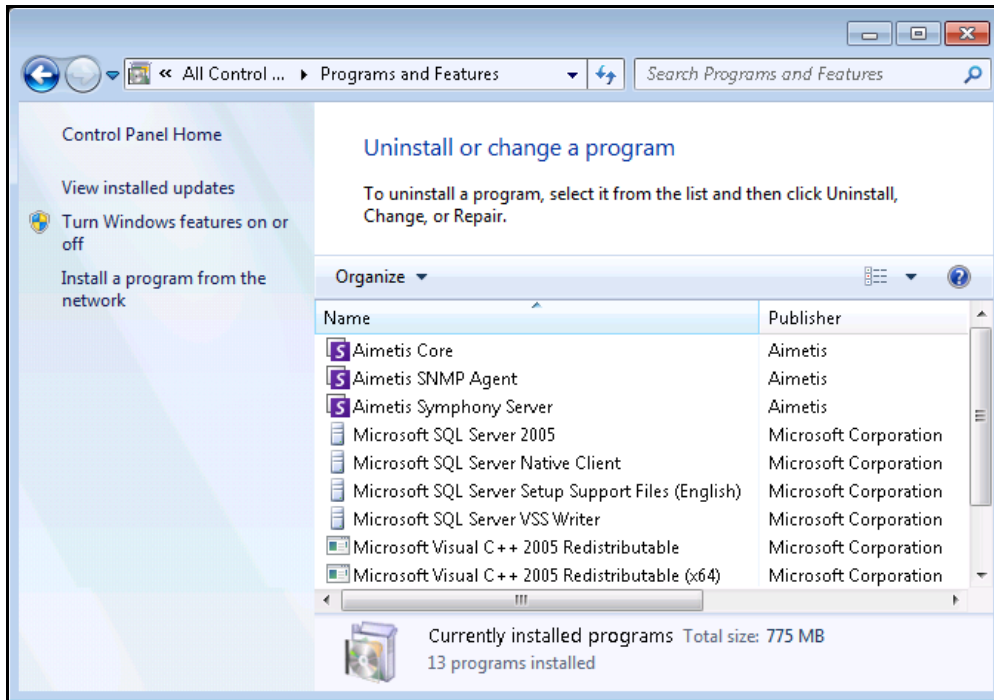


Figure 7. Symphony Programs installed during Server and Client Installation - Windows 7 Control Panel



# (Alternate) Installing Aimetis Symphony Server from the Command Line

Various options can be configured by launching the installer from the command line.

- ["Customizations"](#)
- ["Disallowing Automatic Database Schema Modifications"](#)
- ["Combining Command Line Options" on page 24](#)



**Note:** In the command line, do **not** include a space between the `/v` and the quotation `"` character. The installation will fail if you include a space.

## Customizations

Algorithms can be configured to be available (visible) or hidden in the Aimetis Symphony Client user interface by providing a default state on the command line. For example, to hide the VE130 algorithm use a command line such as the following:

```
setup.exe /v"CUSTOMIZATIONS=Intel_VE130=OFF"
```

The general format is:

```
setup.exe /v"CUSTOMIZATIONS=AlgorithmName=ON|OFF;AlgorithmName=ON|OFF..."
```

## Disallowing Automatic Database Schema Modifications


By using the **ALLOWDBSETUP** command line option, the Setup Wizard can be restricted from attempting to automatically make database schema modifications. This is a useful feature if the database user does not have creation/alter rights for the database.

When **ALLOWDBSETUP** is set to **false**, the Setup Wizard will skip the schema modification portion of setup. A SQL script is provided with the product to allow a database administrator to do the necessary modifications. This script is located in the **\_Scripts** folder.

Valid values for **ALLOWDBSETUP** are as follows:


**Table 1. Allowable Values**

Task	Allowable Values
To restrict schema modifications:	<b>0, false, False</b> (or any other casing of false)
To enable allowing schema modifications (this is the default value when the parameter is not specified):	<b>1, true, True</b> (or any other casing of true)

<b>Example 1</b>	Using a command line
	To restrict schema modifications use a command line such as the following: <code>setup.exe /v"ALLOWDBSETUP=0"</code>

## Combining Command Line Options

All of the command line options can be combined for use. Use a single `/v"[settings]"` string with all options specified inside the quotes.

<b>Example 2</b>	Command-line options
	To install to a non-default locations with algorithm customizations and restricting database schema modifications the command line would be as follows: <code>setup.exe /v"INSTALLDIR="D:\\MyInstallFolder\\" CUSTOMIZATIONS=Intel_VE130=OFF ALLOWDBSETUP=false"</code>

# Setup Wizard – Server/Farm Configuration

The Setup Wizard opens automatically at the end of installation.

## Before Running the Setup Wizard

You must consider these important tasks before running the Setup Wizard:

- [“Manual Database Configuration”](#)
- [“Disabling Database Schema Modifications \(ONLY if upgrading and ONLY for first server\)”](#)
- [“Enable Remote SQL Connections” on page 26](#) (ONLY if using a server farm at this point in the installation process)

## Manual Database Configuration

In some cases, the database configuration needs to be completed outside of the Setup Wizard. For example, if the database user for Symphony does not have Admin rights to the database, it may be necessary to have a database administrator configure the database before running Setup Wizard.

A SQL script is provided with the installed product. It is located in the **\_Scripts** folder inside the install directory. The default database name specified in the script is Symphony. If a different database name is desired, or the script is being used to update an existing database, each instance of Symphony should be replaced with the appropriate database name before running the script.

## Disabling Database Schema Modifications (ONLY if upgrading and ONLY for first server)

There are times when it is beneficial to disable allowing schema modifications from the Setup Wizard. For instance, if the database user for Symphony does not have Admin rights for the database, and attempts schema modifications when the Setup Wizard is running, the user will receive an error. In this situation, the administrator must configure the database beforehand (see [“Manual Database Configuration”](#)) and then configure the Setup Wizard so that it does not display an error while running.

---

**Note:** If you want to disable allowing database schema modifications during a **fresh installation**, then you can only under the following conditions:



- If you have used the scripts (from the **\_Scripts** folder inside the install directory) to manually configure the database, then you must disable allowing database schema modifications for ALL servers.
- If you have NOT manually configured the database, then you must disable allowing database schema modifications for all servers BUT the first server.

---

## Procedure

### To prevent the Setup Wizard displaying a schema modification error:

1. Open the **SetupWizard.exe.config** file, located in the **\_bin** folder.
2. In the **appSettings** section of the file, you will find a key setting for **AllowAutomaticDatabaseConfiguration**. Change the value setting to **“0”** so as to disable schema modifications:

```
<add key ="AllowAutomaticDatabaseConfiguration" value ="0"/>
```

This will accomplish the same result as using the install command line setting described in [“Disabling Automatic Database Schema Modifications” on page 23](#).

## Enable Remote SQL Connections

You must enable TCP/IP connections for your existing SQL Server if not located on local machine.

1. Open the **SQL Server Configuration Manager**. This can usually be found in the **Start Menu**, under the SQL Server entry.
2. Expand the **SQL Server Network Configuration** node. Click on **Protocols** for [InstanceName]. If you are using the database that was installed by the Aimetis Symphony Server installer, then the InstanceName will be AIMETIS.
3. Right-click on the **Named Pipes** protocol and select **Enable** from the menu.
4. A warning message is displayed. Click **OK**.
5. Right-click on the **TCP/IP** protocol and select **Enable** from the menu (Figure 8).

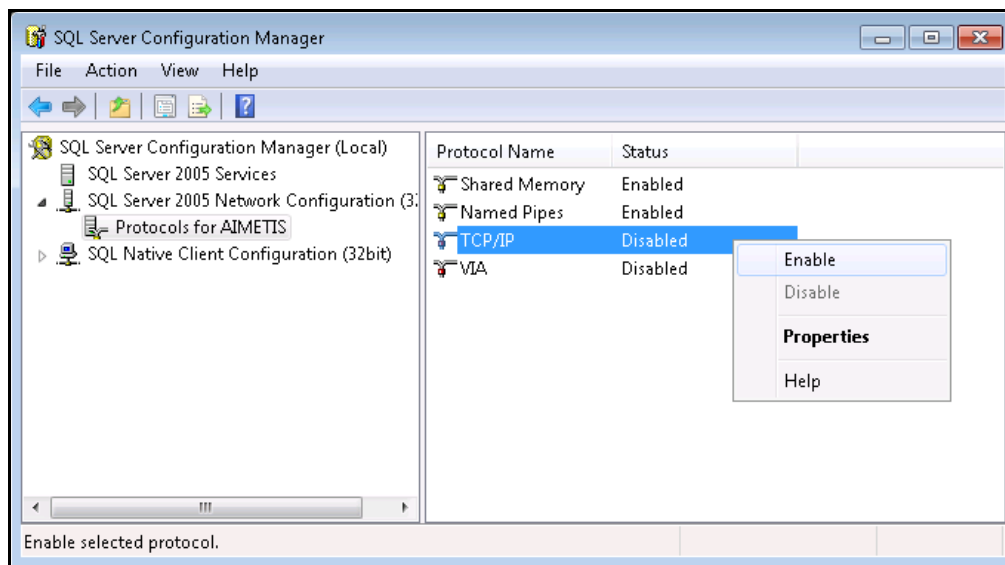


Figure 8. Enable TCP/IP

6. A warning message is displayed. Click **OK**. The protocols should now be configured (Figure 9).

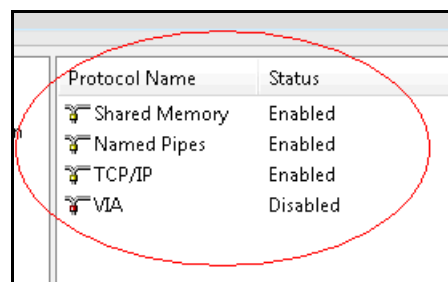
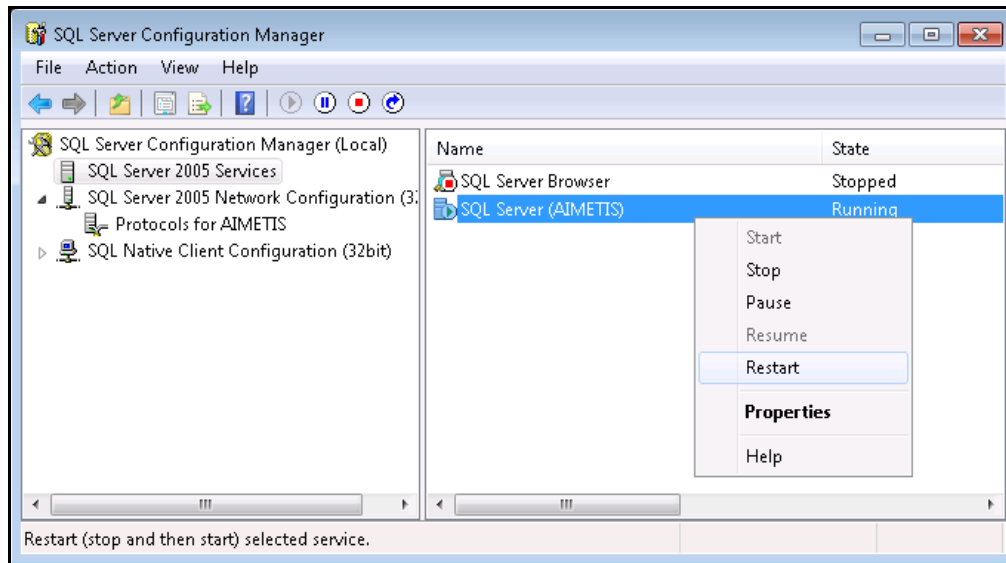


Figure 9. Protocols configured

7. Go to the **SQL Server Services** section. Right-click on the **SQL Server** entry for the appropriate InstanceName. Select **Restart** from the menu to restart the service (Figure 10).



**Figure 10. Restart service**

8. Right-click on the **SQL Server Browser** entry. Select **Properties** from the menu to open the **Properties** window.
9. Click the **Service** tab. From the **Start Mode** drop-down list, select **Automatic** and click **Apply**.
10. In the **Log On** tab, click the **Start** button to start the SQL Browser service.
11. Click **OK** to close the **Properties** dialog box. The services should now both be in the **Running** state. The SQL Server instance should now accept remote connections.

---

### SQL Security Requirements

During creation of the database, the user must have admin rights to the database, as well as rights to create the database. Database schema modification can be done manually, outside of the product. See [“Manual Database Configuration” on page 25](#).



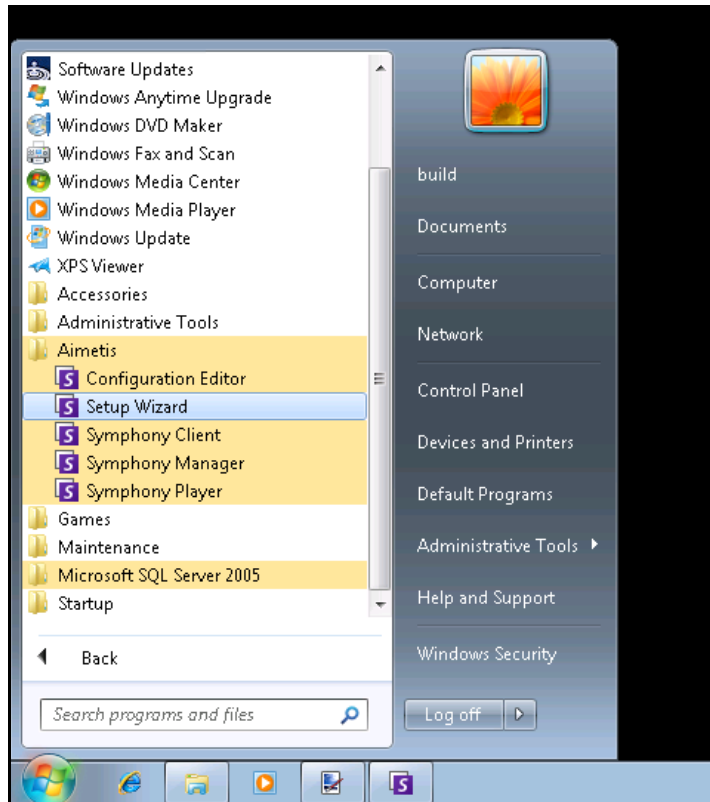
For execution of the product, the database user must have the following set of minimum security permissions:

- SELECT, INSERT, UPDATE, DELETE for all generated tables.
  - SELECT, INSERT, UPDATE, DELETE for all generated views.
  - EXECUTE for all generated stored procedures.
-

## Procedure

### To manually run the Setup Wizard:

- From the **Start Menu**, select **Aimetis**, and then **Setup Wizard**.



**Figure 11. Start Menu - Aimetis > Setup Wizard**

## Farm Setup

You can create a server farm two ways:

- One at installation - instructions follow
- By merging existing farms into a single farm - refer to the **Symphony Administrator Guide**.

When setting up a farm...	Procedure
Process flow	Fully complete the Setup Wizard on a single server before attempting it on the next. Do not run the Setup Wizard on multiple servers at the same time.
Database	Connect all servers in the farm to the same database.
XNet name and credentials	Enter the same XNet farm name and credentials on each server in the farm.
XNet License	Ensure that the XNet license contains the MAC address of each server in the farm. If you are running the Setup Wizard on a machine that has a valid internet connection (Online Install), then your MAC address will automatically be added to your license during the setup process.

## Farm Configuration Tab

The Setup Wizard opens the Symphony **Setup** window, displaying two tabs:

- **Farm Configuration** - [Figure 12](#)
- **Server Configuration** - [Figure 19 on page 36](#)

The screenshot shows the 'Symphony Setup' window with the 'Farm Configuration' tab selected. The window title is 'Symphony Setup' and it has standard Windows window controls. The 'Farm Configuration' tab is active, and the 'Server Configuration' tab is also visible. The main content area contains the following sections:

- Database:** 'Server Name' is set to 'WIN-K6T44FG29EK\aimetis' and 'Database' is set to 'aira'.
- User Information:** Radio buttons for 'Use integrated authentication' (unselected) and 'Use SQL Server authentication' (selected). 'Username' is 'sa' and 'Password' is masked with asterisks. An 'Edit' button is present.
- License Registration:** Radio buttons for 'I'm Online' (selected) and 'I'm Offline' (unselected). 'Farm name' is empty. 'XNet User name' and 'XNet Password' are empty. 'Licensing Mode' has radio buttons for 'Trial Farm' (unselected) and 'Licensed Farm' (selected), with an 'Allocate Licenses' button. Buttons for 'Buy Licenses', 'Email my password', 'Create new user', and 'Verify' are present.
- Symphony Security:** Radio buttons for 'Symphony Security' (selected) and 'Active Directory Integration' (unselected). 'LDAP URL' is empty, with an 'Auto Discover' button and an example: 'LDAP://DC=aimetis,DC=com'. 'Symphony Administrative User' section has 'User Name' and 'Password' fields, both empty. A 'Verify' button is present.

At the bottom of the window are 'Apply' and 'Cancel' buttons.

Figure 12. Farm Configuration tab in the Symphony Setup window



## Procedure

---

### To set up the Farm Configuration tab:

#### Database Configuration

1. Click the **Edit** button to activate the fields in the **Database** group box.
2. Enter the database connection information for the SQL Server instance.
  - If the server uses Windows Authentication, select the **Use integrated authentication** option.
  - If the server uses SQL server authentication, select the **Use SQL Server authentication** and enter the credentials of an administrative user for the SQL Server instance.
  - If you installed SQL Server through the Aimetis Symphony Server installation, select the **Use SQL Server authentication** option, enter “**sa**” for the username, and the password you entered during installation.
  - If the database you chose to connect to does not exist, then it will be created for you.
3. Click the **Verify** button. Verify that the connection information entered is correct.
  - If verification fails and you are trying to connect to a database on a remote machine, see [“Enable Remote SQL Connections” on page 26](#).

**Edit/Verify** buttons must have a green check mark before you can Apply all changes to the tab.

#### License Registration Configuration

If you are connected to the internet, the **I'm Online** option will be automatically selected for you.

1. Enter your **XNet** account information:

##### Farm name

- If the farm name you enter does not exist and the server has not previously been registered with XNet, the farm will be created for you on XNet.

- If you choose to have a **Licensed Farm** instead of a **Trial Farm**, you must allocate at least one license to the farm.

#### To allocate at least one license to the farm:

1. Click the **Allocate Licenses** button in the **Licensing Mode** group area (Figure 12 on page 30). The **License Allocation** screen opens.

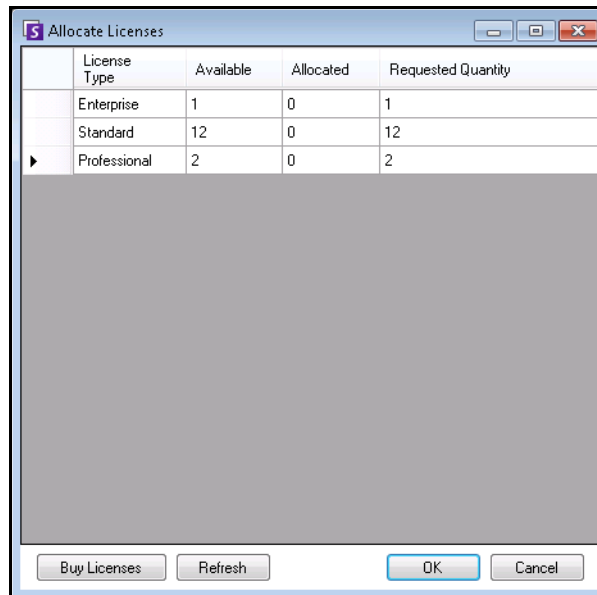


Figure 13. Allocate licenses

2. In the grid you will see any licenses that you have available in your account. If you do not have any licenses available or you would like to purchase more licenses, click **Buy Licenses** to go to **XNet** to purchase more.
3. Click the **Refresh** button to ensure the screen has been updated with the latest licensing information regarding your account from **XNet**.
4. Enter the number of licenses you would like the farm to have of each type in the **Requested Quantity** field.
5. Click **OK** to save the requested information and exit the screen. Changes to your account will not be made until you click the main **Apply** button.

#### XNet User Name and XNet Password.

- If you do not currently have an account registered with Aimetis or would like to add another account to use with your server/farm registration, click the **Create a new user** button.
- If you have forgotten your password, click the **Email my password** button to have your password emailed to your registered email address.

2. Click **Verify**.

## Not Connected to the Internet?

If you are not connected to the internet, the **I'm Offline** option will be automatically selected for you.

License Registration

I'm Online  I'm Offline

Registration Key: VwMxD-AFOCQB-REBAMH-BFsABQ-1yOgU

License File: [Browse]

Verify [Warning Icon] [Help Icon]

Figure 14. Offline registration

1. Using the registration key in the **Registration Key** field, download a license file from **AIMETIS XNet** on a computer connected to the Internet. See [Figure 15 on page 33](#) to [Figure 16](#) and [Figure 17 on page 34](#).

### Step 1: Installation Type



**Are you running a server farm with Aimetis Symphony 6.2 or newer?**

To add a server to an existing farm:

1. Select **Farms/Servers** at the left and find your farm
2. Select **Actions > Add Server to Farm**

There are two ways to install new Aimetis Symphony server farms and stand alone servers:

<p><b>Online Install:</b></p> <p>Select this option if the computer you are installing on has internet access.</p> <p><input type="button" value="Online Install"/></p>	<p><b>Offline Install:</b></p> <p>Select this option if the computer you are installing on does not have internet access.</p> <p><input type="button" value="Offline Install"/></p>
---	---

Figure 15. XNet Offline Installation - Step 1

### Step 2 of 3: Offline Install

1. [Download the the latest release](#) of Aimetis Symphony.
2. Run the installer.
3. The install wizard will give you the option to perform an offline install. It generate an Offline Registration Key. When you have that key, click Continue.

Figure 16. XNet Offline Installation - Step 2

### Step 3 of 3: Registration Key & Licensing

Fields marked in **bold** are required.

Login Credentials

Select... ▾

⤴ The username and password for this user will be used for the new Farm/Server

**Farm/Server Name**

**Offline Registration Key**

VwMnD-AFOCQB-RBAMH-BFsABQ-1

**Licensing**

- Make this a trial farm/server
- I will add licenses to this farm/server

Create Farm/Server

Figure 17. XNet Offline Installation - Step 3

- After the Farm/Server is created, copy the downloaded license file to the server machine.
- Click the browse ... button next to the **License File** field to select the license file you copied to your server machine (Figure 18 on page 34). The license file location appears in the **License File** field.

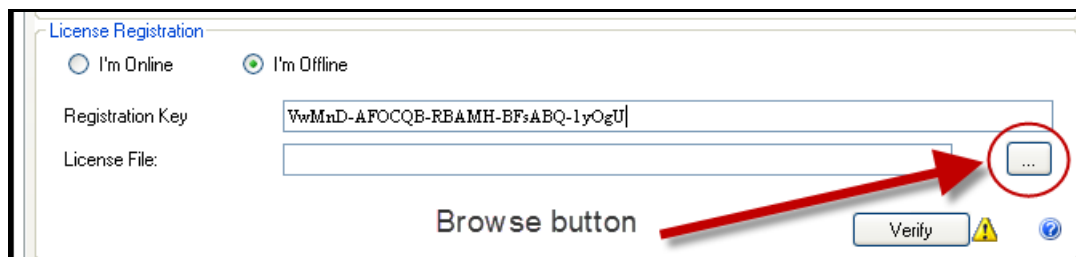


Figure 18. Click the browse ... button

- Click **Verify**.

## Symphony Security Configuration

- Choose the security mode for Symphony.
  - If you select **Symphony Security** then the Aimetis proprietary login security mechanism will be used.
  - If you select **Active Directory Integration**, users will be authenticated against the Active Directory server specified.

You must enter a URL in the **LDAP URL** field, for example,  
**LDAP://DC=Aimetis,DC=com.**

or

Click the **Auto Discover** button to have the SetupWizard attempt to determine your LDAP URL automatically.



**Note:** When entering the LDAP URL, ensure that the current machine is a member of the specified domain.

---

2. Enter the user name for a **Symphony Administrative User**. Do *not* enter the domain in the **User Name** field. For example, if you have a user account “UserX” on domain “DomainY”, you would set the **User Name** field to “UserX” and not to “DomainY\UserX”.
  - a. If the user does *not* exist in the system, the user will be created, added to the Administrator user group and thus have unlimited access to the system.
  - b. If the user does exist and the credentials are an exact match:
    - The user will be removed from any user groups and added to the Administrators user group.
    - Any explicit security permissions that were assigned will be removed.
    - The user will have unlimited access to the system.
  - c. If the user exists in the system, but the password does not match:
    - If the **Security Mode** is **Active Directory** then the verification step will fail because Active Directory will not authenticate the credentials.
    - If the **Security Mode** is **Symphony Security**, the verification step will fail.



You cannot fix credentials for a Symphony user if the password is lost. You must create a new account (user).

---

3. Enter a password for a **Symphony Administrative User**. (If the security mode is set to **Active Directory**, the password will not be stored.)
4. Click **Verify**.

## Server Configuration Tab

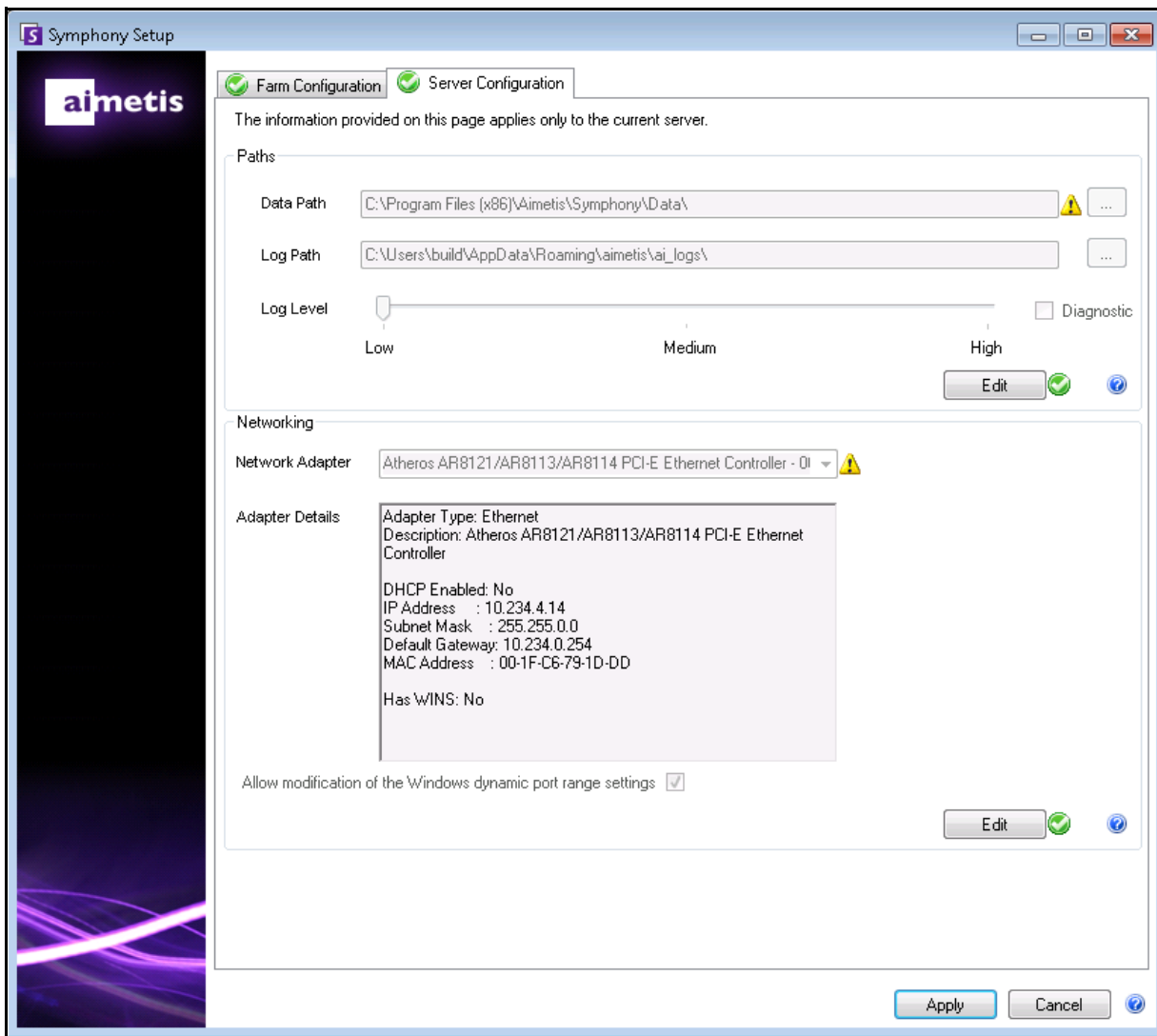


Figure 19. Server Configuration tab in the Symphony Setup window

## Procedure

---

### To set up the Server Configuration tab:

#### Paths Configuration

1. Enter the path where you would like data to be stored in the **Data Path** field. This will be the default path for camera footage storage. Further refinement of camera footage storage paths can be made through the **Server Configuration** screen in **Symphony Client**.
2. Enter the path where you would like log files to be stored in the **Log Path** field. This path needs to be accessible for the Local System service account as well as the logged in user. You can use Windows path variables such as **%APPDATA%** in this field if desired.
3. Select the logging level for the server logs. If you select **Low**, the server logs will contain less detail, but system performance will be better. Increasing the log level provides more detailed information if a problem is encountered, but can impact system performance. If unsure, leave the default selection.

A high logging level can impact system performance.

#### Networking Configuration

1. Select the network adapter that will be associated with the license.
  - If you are doing an offline install, then you must log into XNet and add the MAC addresses manually to the license.
  - If you are doing an online install, then the selected MAC address will be added automatically to your license, and the MAC addresses of any other network adapters in the machine will be removed from the license.
  - If you need to change the network adapter associated with the license at a later time, you can re-run the Setup Wizard and modify your selection.
2. Select whether to allow the Setup Wizard to modify the **Windows dynamic port allocation range settings**.

##### **When to allow:**

Windows allocates ports automatically. On Windows Vista and newer operating systems, the allocation range that Windows uses overlaps with the ports Symphony uses. Because Windows may have already allocated those ports to other applications, and Symphony does not use dynamic port allocation, port conflicts may occur. You may need to restart your computer after setup.

##### **When not to allow:**

If you have an operating system that predates Vista or Windows Server 2008 (for example, Windows XP or Windows Server 2003) then you do not need to allow port modifications. There should not be any adverse affects to Symphony in this case.



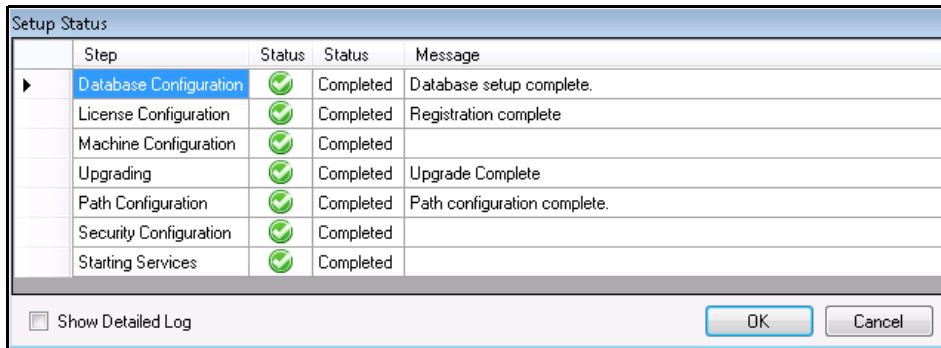
**Caution:** If you do not allow modification of this setting, and you use Vista, Windows Server 2008, or a newer operating system, you may see port conflicts during operation. **This can cause video footage to not be recorded.** For more information about the dynamic port range and the need for modifications, see <http://support.microsoft.com/kb/929851>

---

## Applying Changes

1. Once all sections of the configuration form are completed and verified, click the **Apply** button. The **Setup Status** screen opens. The status column displays updates as your configuration is applied (Figure 20).
2. To see additional details of the changes that are being applied, select the **Show Detailed Log** check box.

**Edit/Verify** buttons must have a green check mark before you can Apply all changes to the tab.



**Figure 20. Setup Status**

3. When all changes are applied and no errors encountered, the **OK** button will be enabled. Basic setup of the server is now complete. Further configuration, such as adding cameras, can be done in the **Server Configuration** screen in **Symphony Client**. The Aimetis Symphony Client will be launched automatically if the Setup Wizard was run from the installer. If it is a fresh install, a Farm Registration will be added to Aimetis Symphony Client for the local server.
4. If any errors were encountered, you can click the **Cancel** button to go back to the data entry form to make any necessary modifications. Once the modifications are complete you can click the **Apply** button again.



## Installing Aimetis Symphony Client

Aimetis Symphony comes standard with client software, called Aimetis Symphony Client. Aimetis Symphony Client is installed by default when Symphony Server is installed. Symphony Client is used to configure all settings within Symphony Server.



**Caution:** It is not recommended that Aimetis Symphony Client be used to constantly stream live video on the Server PC itself. Aimetis Symphony Client may consume significant CPU or other resources on the PC while displaying live video. This CPU utilization would therefore be unavailable for the server software to perform its functions. It is recommended that you install the client software on other PCs on the network for configuration and live video streaming.

## Procedure

### To install Aimetis Symphony Client:

1. Run the installer.
  - You do not need to manually uninstall previous versions
  - You do not need to manually move any cameras
  - Any required components missing on your machine are listed in the **InstallShield Wizard** dialog box.
2. To install missing components, click **Install**.
3. After reviewing the license and warranty information in the **License Agreement** screen, click **I accept the terms of the license agreement**.
4. Click **Next**.
5. (Optional) If you want to change the installation location of Aimetis Symphony Client, click the **Change** button. You are not required to change this value.
  - In the **Change Installation Folder** screen, enter the folder path in the **Folder name** field and click **OK**. The new destination is displayed next to the folder icon. (You can use the folder navigation in the **Look in** portion of the screen to navigate to the desired location.)
6. Click **Next**. The **Ready to Install the Program Screen** appears.
7. Review the data in the **Current Settings** area. If this information is correct, click **Install** to proceed with the installation.
8. To complete the installation, click **Finish**. (The **Launch the program** check box is selected by default. This allows the Aimetis Symphony Client to open automatically when the installation is complete.)



**Note:** At any point during the installation, you can click the **Cancel** button. You are asked whether you want to cancel the server installation. Click **No** to continue with the installation.  
or  
Click **Yes** to cancel this installation. This will rollback changes that have been made to your system. Click **Finish** to exit the **InstallShield Wizard**.

# Installing Symphony Player

Aimetis Symphony Player is installed automatically whenever Aimetis Symphony Client is installed. Aimetis Symphony Player is required to play back **.aira** files. If required, a separate installation package is also available for Symphony Player from <https://www.aimetis.com/xnet/downloads.aspx>.

## Procedure

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### To install Aimetis Symphony Player separately:

1. Close any Aimetis applications that are open.
2. Download the Aimetis Symphony Player installation file.
3. Follow the on-screen instructions to complete installation.

## Procedure

---

### To install Aimetis Symphony Player:

1. Run the installer.
  - You do not need to manually uninstall previous versions
  - You do not need to manually move any cameras
  - Any required components missing on your machine are listed in the **InstallShield Wizard** dialog box.
2. To install missing components, click **Install**.
3. After reviewing the license and warranty information in the **License Agreement** screen, click **I accept the terms of the license agreement**.
4. Click **Next**.
5. (Optional) If you want to change the installation location of Aimetis Symphony Player, click the **Change** button. You are not required to change this value.
  - In the **Change Installation Folder** screen, enter the folder path in the **Folder name** field and click **OK**. The new destination is displayed next to the folder icon. (You can use the folder navigation in the **Look in** portion of the screen to navigate to the desired location.)
6. Click **Next**. The **Ready to Install the Program Screen** appears.
7. Review the data in the **Current Settings** area. If this information is correct, click **Install** to proceed with the installation.
8. To complete the installation, click **Finish**. (The **Launch the program** check box is selected by default. This allows the Aimetis Symphony Player to open automatically when the installation is complete.)



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**Note:** At any point during the installation, you can click the **Cancel** button.

You are asked whether you want to cancel the server installation.

Click **No** to continue with the installation.

or

Click **Yes** to cancel this installation. This will rollback changes that have been made to your system. Click **Finish** to exit the **InstallShield Wizard**.

---

## Installing License Plate Recognition (LPR)

The Aimetis VE410 is an add-on video analytic that is included with the Enterprise license. A server hardware key is also required. For more information, refer to the Aimetis Symphony 6.8 Client User Guide and Aimetis Symphony 6.8 Administration and Analytics Guide.

### Procedure

#### To install all LPR components:

1. Install Symphony Server and Client 6.8.
2. Close any Aimetis applications that are running.
3. Download **LPR\_Installer** from Aimetis Xnet and copy it to your desktop.
4. Run **LPR\_Installer.exe** (on all servers in the farm).
  - All servers in the farm must have the LPR component installed regardless of whether they are the server hosting the cameras running the LPR video engine.
  - The **Deployment\_Files** folder appears on your desktop (or in location you copied the **LPR\_Installer** on your computer).
5. A **Welcome** page appears, and then the **License** page.
6. Select the **I accept the terms in this License Agreement** check box and click **Install**.

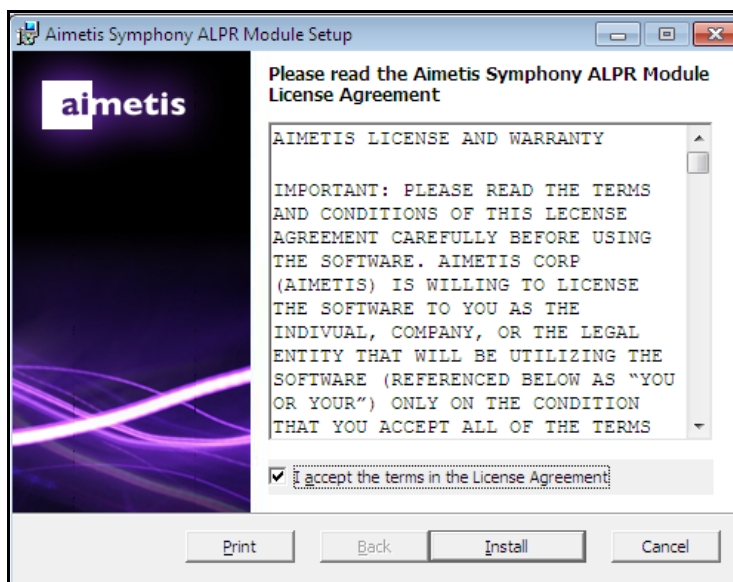


Figure 21. ALPR Module License Agreement page

7. You may receive a message indicating the some files must be updated. By default, the **Close all applications and attempt to restart them** option is selected in the **Files in Use** page. Click **OK** (Figure 22 on page 42).

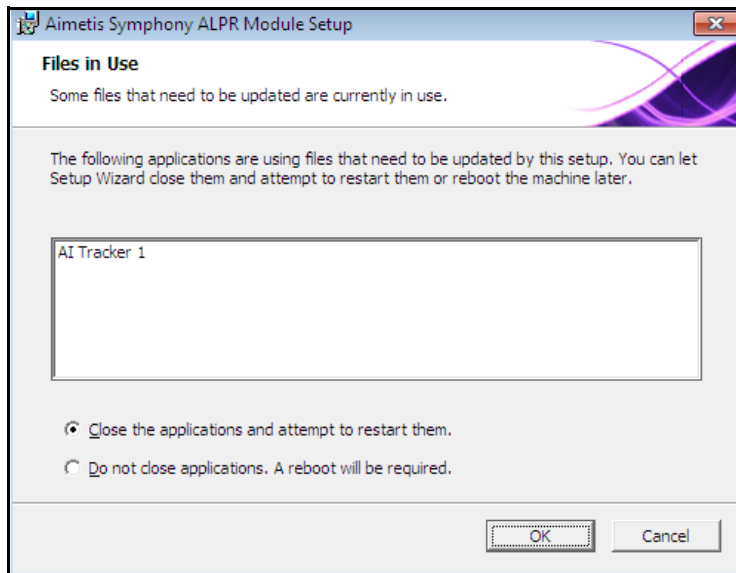


Figure 22. ALPR Module Setup - Files In Use page

8. The installation process begins.

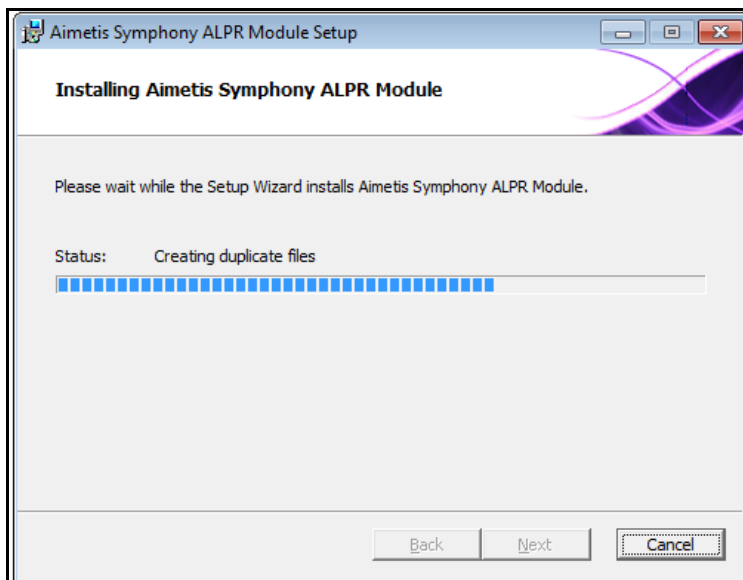
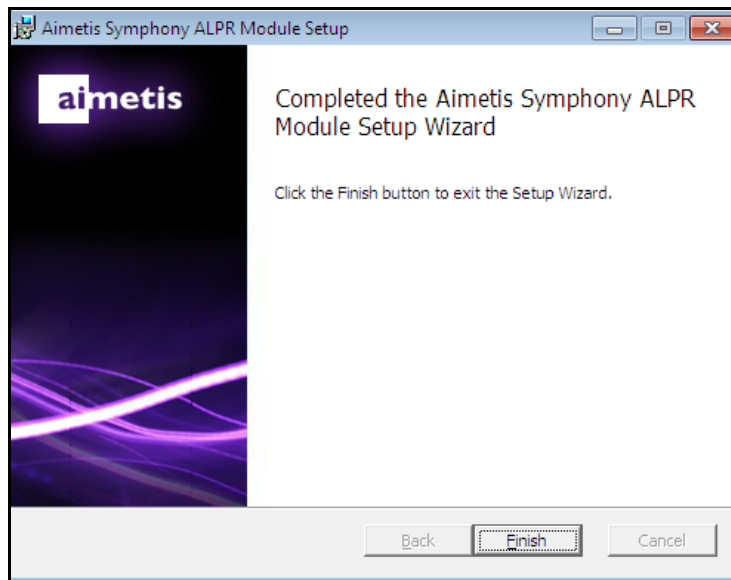


Figure 23. ALPR installing page

9. To exit the setup, click **Finish** (Figure 24 on page 43).



**Figure 24. ALPR Module has completed installation**

The **LPR** installation is complete.



**Note:** You may delete the **Deployment\_Files** folder once the installation is complete.

## Uninstalling Aimetis Symphony v6.8 Server

These instructions contain menu names used in the Windows 7 operating system.

### Procedure

---

#### To remove Aimetis Symphony v6.8 Server:

1. From **Programs and Features** in your Control Panel, select **Aimetis Symphony Server** and choose **Uninstall**.
2. Click **Next**. The **Remove the Program** screen opens.
3. Click **Remove**.
  - If files on your system are in use, select the **Automatically close and attempt to restart applications** option and click **OK**.
  - If Windows fails to close the applications, you may see the following warning: "The setup was unable to automatically close all requested applications. Please ensure that the applications holding files in use are closed before continuing with the installation." Click **OK**.
4. Click **Finish** to complete the uninstall process.
5. From **Programs and Features** in your Control Panel, select the **Aimetis SNMP Agent** item.
6. From **Programs and Features** in your Control Panel, select the **Aimetis Core** item. Choose **Uninstall**.

# Uninstalling Aimetis Symphony Client

## Procedure

---

### To remove Aimetis Symphony v6.8 Client:

1. From **Programs and Features** in your Control Panel, select **Aimetis Symphony Client** and choose **Uninstall**.
2. Click **Next**. The **Remove the Program** screen opens.
3. Click **Remove**.
  - If files on your system are in use, select the **Automatically close and attempt to restart applications** option and click **OK**.
  - If Windows fails to close the applications, you may see the following warning: “The setup was unable to automatically close all requested applications. Please ensure that the applications holding files in use are closed before continuing with the installation.” Click **OK**.
4. Click **Finish** to complete the uninstall process.
5. From **Programs and Features** in your Control Panel, select the **Aimetis Core** item. Choose **Uninstall**.

# Uninstalling Aimetis Symphony Player

## Procedure

---

### To remove Aimetis Symphony v6.8 Player:

1. From **Programs and Features** in your Control Panel, select **Aimetis Symphony Player** and choose **Uninstall**.
2. Click **Next**. The **Remove the Program** screen opens.
3. Click **Remove**.
  - If files on your system are in use, select the **Automatically close and attempt to restart applications** option and click **OK**.
  - If Windows fails to close the applications, you may see the following warning: “The setup was unable to automatically close all requested applications. Please ensure that the applications holding files in use are closed before continuing with the installation.” Click **OK**.
4. Click **Finish** to complete the uninstall process.
5. From **Programs and Features** in your Control Panel, select the **Aimetis Core** item. Choose **Uninstall**.



# Uninstalling License Plate Recognition (LPR)

## Procedure

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### To remove all LPR components:

1. From **Programs and Features** in your Control Panel, select **GX Full Uninstall** and choose **Uninstall**.
  - On 64 bit machines, you must remove both **GX Full Uninstall** and **2 bit GX Full Uninstall**.
2. Click **Next**. The **Remove the Program** screen opens.
3. Click **Remove**.
  - If files on your system are in use, select the **Automatically close and attempt to restart applications** option and click **OK**.
  - If Windows fails to close the applications, you may see the following warning: "The setup was unable to automatically close all requested applications. Please ensure that the applications holding files in use are closed before continuing with the installation." Click **OK**.
4. Click **Finish** to complete the uninstall process.
5. From **Programs and Features** in your Control Panel, select the **Aimetis Symphony ALPR Module** item. Choose **Uninstall**.
6. Restart your computer.

## Uninstalling SQL Server Instance

1. From **Programs and Features** in your Control Panel, select the **Microsoft SQL Server 2005** item. The **Component Selection** screen opens (Figure 25).
2. Select the **Remove SQL Server 2005 instance components** check box.

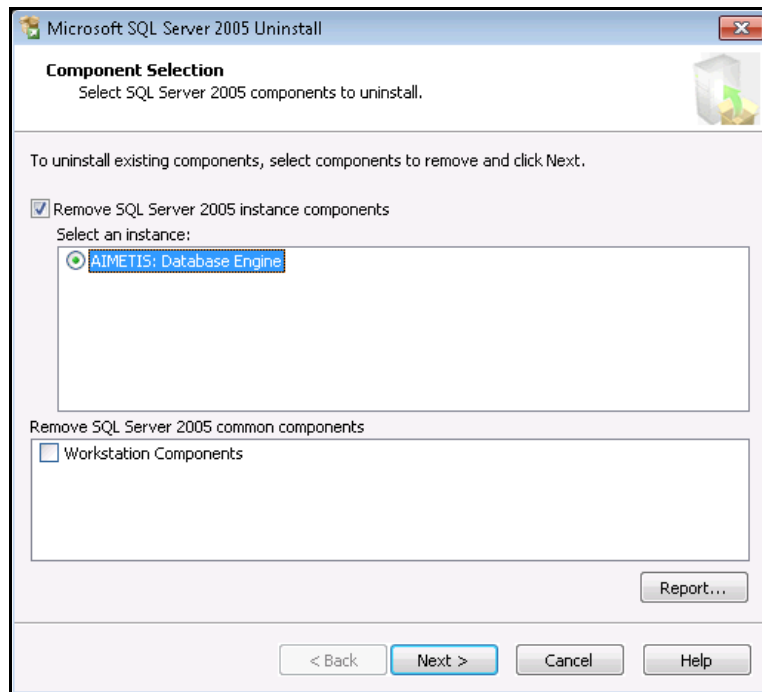
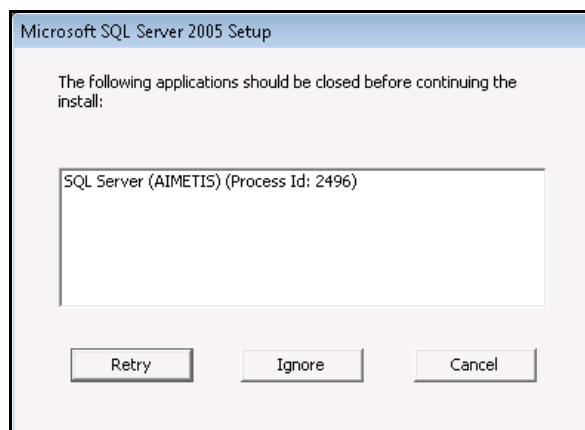


Figure 25. Component Selection

3. Select the **AIMETIS: Database Engine** item from the list and click **Next**.
4. In the **Confirmation** screen, click **Finish**.
  - If you see the following dialog box (Figure 26 on page 49), you must stop the SQL Server instance through Services before clicking the **Retry** button



**Figure 26. Example message of applications you must close**

- a. From the Control Panel, select **Administrative Tools**, and then **Services**.
- b. In the **Services** list, right-click on the **SQL Server (AIMETIS)** item in the Services list. Click **Stop** from the menu to stop the service.
- c. Click the **Retry** button in the warning dialog box to continue the uninstall process.

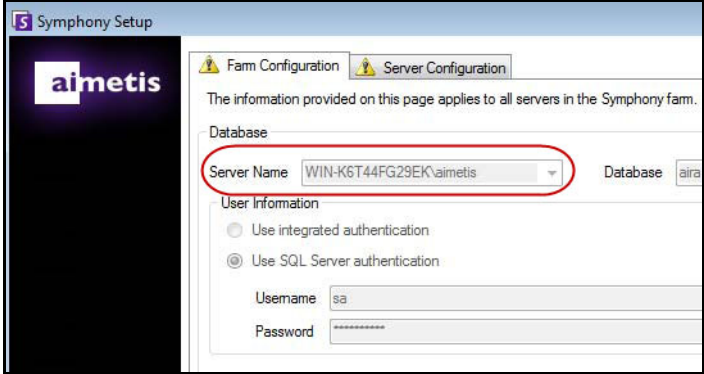


**Important:** If you are uninstalling SQL Server on a machine with the intent to reinstall, you must remove the **<name\_of\_database>.mdf** and **<name\_of\_datebase>.ldf** files before running the install.

---

# Troubleshooting

Table 2.

Problem	Solution/Workaround
<p>SQL Server Express does not install properly in Windows XP.</p>	<ol style="list-style-type: none"> <li>1. Install SQL Express by itself.                             <ul style="list-style-type: none"> <li>• If it still fails, it is not related to Symphony.</li> </ul> </li> <li>2. Connect to database in Symphony’s Setup Wizard. Ensure that the default instance name is <b>SQLExpress</b> and not Aimetis.</li> </ol> <p>In the following example, the <b>Server Name</b> field displays “WIN-K6T44FG29EK\aimetis”:</p>  <p>If you installed SQL Express by itself with all the defaults, change “WIN-K6T44FG29EK\aimetis” to “WIN-K6T44FG29EK\SQLExpress”</p>
<p>Fresh 6.8 installation fails AND You receive an exception error: “Failed to complete necessary schema modifications”</p>	<p>Run the <b>Setup Wizard</b> again, but specify a new database name. If this does not help, please contact Support.</p>

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