

Vertex Quick Start Guide

1. Installing management & recording servers

- a. Setup applications must run under administrator privileges.
- b. Both servers will be installed as services with automatic startup.
- c. The management and recording servers can be installed on the same/different machines.
- d. **Please Note:** management and recording servers comply with the hardware requirements.

• Management Server

Software Requirements

- Microsoft .NET Framework 2 (included on the system CD)
- Microsoft .NET Framework 2 SP1 (included on the system CD)
- Windows Installer 3.1 (included on the system CD)

Installation

- Execute Vertex System.exe and follow the instructions to install the system application.
- Setup application installs MSSQL Express 2005 automatically.

• Recording Server

Software Requirements

- Windows Installer 3.1 (included on the system CD)

Installation

- Execute Vertex Server.exe and follow the instructions to install the server application.
- Setup application installs MSSQL Native Client automatically.

NOTE: Before using the system you must set your firewall to allow "XDRSystem.exe" (located in the system PC and uses port 1000) and "XDRNode.exe" (located in the server PC and uses port 2000) to communicate with other machines on the network. In windows firewall you should add these programs to the exceptions list.

- When using the system's web server the default port (80) must also be added to the exceptions list.
- To configure other firewall products advise the relevant help files.

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2. Installing clients

Software Requirements

- a. Microsoft .NET Framework 1.1 (included on the system CD)
 - b. Microsoft .NET Framework 1.1 SP1 (included on the system CD)
 - c. Microsoft .NET Framework 1.1 SP1 Security update (included on the system CD)
- These packages must be installed on the client machine prior to installing the client application.

Configurator & Control Center

- Execute *Vertex Client.exe* and follow the instructions to install the Configurator & Control Center applications.

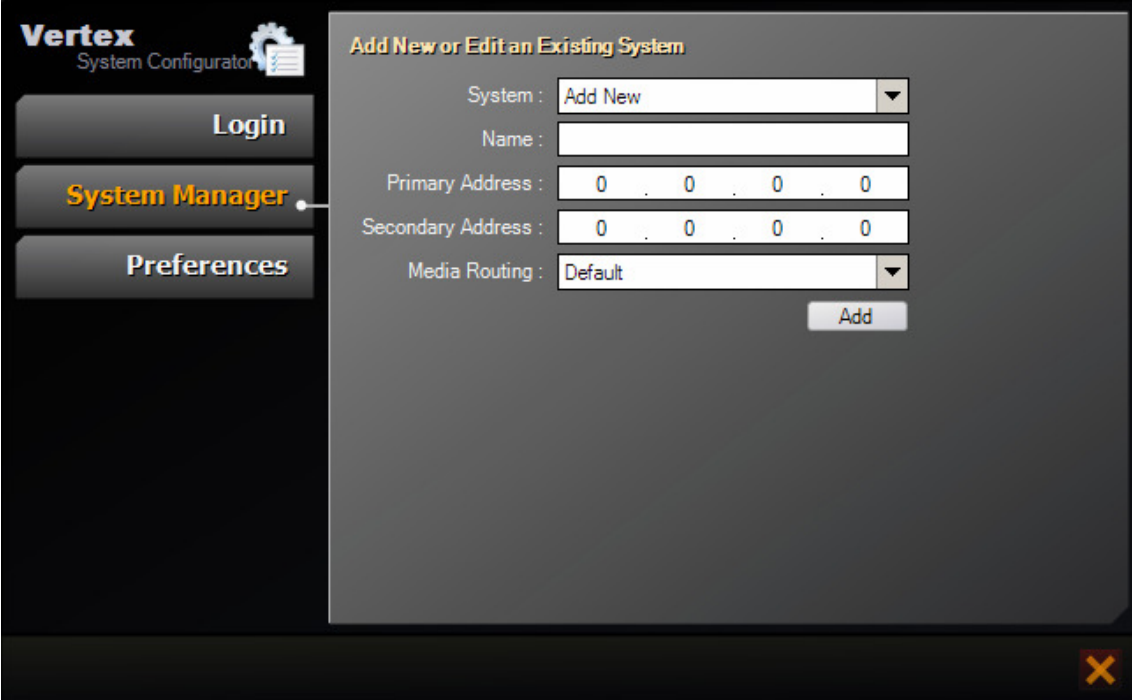
3. Configurator – Setup your site

Login

Initial login

When you first open the system Configurator, a new login account must be created using the default user account received with the system.

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The screenshot shows the Vertex System Configurator interface. On the left is a navigation menu with 'Login', 'System Manager', and 'Preferences'. The 'System Manager' option is highlighted. The main area is titled 'Add New or Edit an Existing System' and contains the following fields:

- System: Add New (dropdown menu)
- Name: (text input field)
- Primary Address: 0 . 0 . 0 . 0 (IP address input)
- Secondary Address: 0 . 0 . 0 . 0 (IP address input)
- Media Routing: Default (dropdown menu)

An 'Add' button is located at the bottom right of the form area. A close button (X) is visible in the bottom right corner of the window.

1. Click on the “System Manager” section.
2. Type a name you would like to use for the system.
3. Fill in the Primary Address (the IP of the computer on which the system is running).
4. Click *Add*.
5. Click on the “Login” section.
6. Select the desired system from the *System* dropdown menu (which now includes the system you added).
7. Fill in “admin” for user name and “1234” for password.
NOTE: To increase system security, please change the default password.
8. Click *Login*.

Once you are logged into the Configurator, you can change the admin account password and create new user accounts and profiles. Once you create user accounts, these users will be able to log into the system with their assigned user names and passwords.

Adding login sets for more systems

If the same client PC is used to login to more than one system, you should add login set for each system.

1. Click on the “System Manager” section.
2. Click on the *System* dropdown menu and select *Add New*.

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3. Proceed as described above (steps 2-6).
4. In future login, select the desired system from the *System* dropdown menu, enter user name and password and click *Login*.

Uploading a license

1. When logging in the system for the first time, the *About* tab will open automatically, in order to issue a valid license please supply the "*System Unique ID*".
2. Once the license is received click *Browse* button, select the license file and click *Open* button.
3. Click the *Upload File* button. If the license file is legitimate, you will see "OK" next to the "*License Status*" field.
4. The system is ready and can be configured.

Adding a recording server

Each recording server can manage up to 64 cameras limited by the server's storage capacity.

1. Open the *Servers* tab, click on the *Server* dropdown menu and select *Add New*.
2. Fill in a name you choose.
3. Fill in the server's IP address.
4. Click *Add*.
5. Alternatively, you can search for recording servers by using the *Scan* button.

Adding a device

1. Open the *Device Manager* tab, click on the *Server* dropdown menu and select the server to which you want to add the device.
2. Click on the *Device* dropdown menu and select *Add New* (usually selected by default).
3. Select the device manufacturer from the dropdown list.
4. Select the device model: the dropdown list contains a list of device models (based on your manufacturer selection) supported by the system.
5. Give the device a name of your choice.
6. Fill in the device's IP (irrelevant in case of a frame grabber card). If you don't know the device IP address you can scan the network for available devices using the *Scan* button then select the desired device from the list. The device details will be filled automatically.
7. If the device's IP address must be changed (Bosch only): select the device from the scan list, type the new IP in the address field at the bottom of the window, click *Apply* and click *Scan* again.
8. Select the storage drive, on which the device media files will be stored.
9. Click *Add*.

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NOTE: The scanning option works for Bosch, Verint and Panasonic. Scanning for Panasonic device must take place within 20 minutes after the device was restarted.

Channel Profiles

The channel profiles are a set of video parameters which are applied when configuring the channel; you can change the various parameters:

Bitrate – The average number of bits that one second of video will consume. Higher bitrate means bigger file size and generally better video quality, while lower bitrate means lower file size but worse video quality. The choice of bitrate is generally determined by bandwidth considerations.

Resolution – The video resolution is indicated in CIF - Common Intermediate Format.

GOP – (Group of Pictures) In video encoding, a group of pictures, or GOP, specifies the order in which intra-frames and inter-frames are arranged.

Framerate – The video frame rate is indicated in FPS - Number of frames per second.

Continue configuring the system according to the Configurator manual.

4. Control Center

Login

You can login to the Control Center using the previously configured accounts.

NOTE: You cannot login simultaneously to the Configurator and Control Center using the same account.

1. Open the *Devices* tree on the left panel.
2. Double-click or drag any channel to any frame in the main panel to watch the live video.
3. Continue operating the system according to the Control Center manual or basic & advanced reference guides.