

ADPRO VideoCentral by Xtralis

Installation and Upgrade Instructions

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Convention	Description
Bold	Used to denote: emphasis Used for names of menus, menu options, toolbar buttons
<i>Italics</i>	Used to denote: references to other parts of this document or other documents. Used for the result of an action

The following icons are used in this document

Convention	Description
	Caution: This icon is used to indicate that there is a danger to equipment. The danger could be loss of data, physical damage, or permanent corruption of configuration details.
	Warning: This icon is used to indicate that there is a danger of electric shock. This may lead to death or permanent injury.
	Warning: This icon is used to indicate that there is a danger of inhaling dangerous substances. This may lead to death or permanent injury.

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1.0 Overview

This instruction booklet provides information on the installation and upgrade process for Video Central Lite and Gold.

2.0 Scope Of This Guide

These instructions include the following information:

- What is Video Central?
- System Configuration and PC recommendations
- Installing/Upgrading Video Central Lite/Gold on a single PC
- Installing/Upgrading Video Central Gold on a multiple PC network

This document describes the Video Central installation and upgrade process in considerable detail for both a single PC environment and a multiple PC environment. It is strongly recommended that this document be followed extremely carefully to ensure that any installation or upgrade is trouble-free. Any departure from the suggested sequence may cause loss of data and/or functionality.

If you have any questions regarding your particular Video Central configuration or the process, or at any point the functionality is not as expected, please contact your supplier.

In addition to the sequence below, there may be special instructions for a particular software release contained in the release notes. Please read any release notes.

3.0 What is Video Central?

Video Central is a PC-based software package specifically designed to monitor video from remote sites fitted with:

- ADPRO FastScan – VST 10, VST 10*plus*, VST 10CA, VST 10CA*plus*, FastScan 2 and FastScan Series III,
- ADPRO FastVu by Xtralis,
- ADPRO FastTrace by Xtralis,
- ADPRO FastTx by Xtralis,
- ADPRO VM41 FastScan by Xtralis, and
- ADPRO InSight Video Alarm Systems.

Video Central is available in two editions:

- GOLD is the full-featured edition for single and multi-user environments supporting multiple operators, communication devices and PCs.

- LITE is a basic version of the software for users who do not require the following features: multiple operators, active sites list, basic integration, interactive maps and multiple communications interfaces.

NOTE: If Video Central Gold is running in a networked scenario, all PCs must be running the same version of Video Central Gold.

4.0 Hardware and Operating System Requirements

4.1 General

To satisfactorily operate Video Central, the software must be loaded on a recommended minimum PC hardware configuration. The PC must run under an approved operating system, and have the ability to connect to remote sites using an internal or external PSTN modem, ISDN terminal adaptor (TA) or via the PC's Ethernet network card.

4.2 PC Configuration Requirements

Video Central Gold can run on a single PC or Laptop computer or, in network configuration with multiple PCs and communications interfaces.

Xtralis recommend that Video Central is the only application installed on a PC, and that the PC is used exclusively for Video Central. Xtralis does not warrant any behaviour caused by incompatibility with another application running on the same PC.

Operating System Requirements

Video Central has been tested and validated on the following platforms:

- Windows 2000 Professional (Service Pack 4)
- Windows XP Professional (Service Pack 2)
- Windows 2003 Server

NOTE: Using Server versions of operating system software for the PC running the Database is recommended, as this can provide significant performance and operational benefits.

Installation Prerequisites

Video Central contains Microsoft® .NET components and requires .NET 1.1 and 2.0 be installed prior to Video Central being installed. Microsoft® .NET 1.1 and 2.0 can be found on the Video Central DVD.

Hardware Requirements

The following tables define the hardware requirements for Video Central. Note that due to the many possible installation and configuration scenarios of Video Central, these recommendations are only guidelines and higher specified equipment may be required. Purchasing or upgrading to higher specified equipment also offers a degree of 'future-proofing' as any new features added to Video Central in the future may increase the minimum equipment specification.

Once Video Central is installed and operating near its planned maximum, i.e. during peak load in the Monitoring Station, an evaluation of each PC should be performed. Parameters to check include memory and disk space used. If any of the parameters are close to maximum, i.e. hard disk is nearly full or available physical memory is low or the performance of the Video Central GUI appears sluggish, hardware upgrades to the PC should be considered to ensure maximum reliability and performance.

The specifications shown are for minimum and typical specifications for a PC. In a typical scenario, where for instance four communications devices could be installed on the one PC, a higher specification PC would be required, such as a Pentium 4 Processor 2.4 GHz with 512 MB of memory.

System Element	Requirements
Processor	Intel Pentium III 800 MHz or AMD
Chassis	Sufficient PCI slots to fit all the required peripheral cards / modems
Main memory	512 MB
Hard disk capacity	At least 10 GB free
CD-ROM	10 X or greater
Sound card	TrueSpeech compatible codec required for each PC using audio
Video card / VGA driver	AGP/PCI, 1024 x 768 resolution, 24 bit colour 32 MB
Printer support	Appropriate ports to support logging and graphics printer if used
1 x Serial port	For external modem, if required
1 x Serial port	For transparent date, if required
1 x Dongle (USB)	Required for each PC running the Session Handler module. (The SH module is required for remote site connection to modems, terminal adaptors and LAN)

Table 1 – Minimum PC Requirements For VC Lite/Gold

System Element	Requirements
Processor	Intel Pentium IV 2.4 GHz or AMD
Chassis	Sufficient PCI slots to fit all the required peripheral cards / modems
Main memory	At least 512 MB
Hard disk capacity	At least 10 GB free
CD-ROM	10 X or greater
Sound card	TrueSpeech compatible codec required for each PC using audio
Video card / VGA driver	AGP/PCI, 1024 x 768 resolution, 24 bit colour 32 MB; dual display for interactive maps
Printer support	Appropriate ports to support logging and graphics printer if used
Serial ports	Multiple serial ports to support communication devices and transparent data, if used
1 x Dongle (USB)	Required for each PC running the Session Handler module. (The SH module is required for remote site connection to modems, terminal adaptors and LAN)

Table 2 – Recommended PC Requirements For VC Gold

Communications Device	Requirements
Internal modem	Line speed = 14 k4 to 33 k6 bps or DTE rate = 38 k4 to 115 k2 bps, V.34 with standard Windows TAPI drivers.
External modem (1x serial com port / modem)	Line speed = 14 k4 to 33 k6 bps or DTE rate = 38 k4 to 115 k2 bps, V.34 with standard Windows TAPI drivers.
ISDN Terminal Adaptor (TA)	Line speed = 64 kbps/128 kbps or DTE rate = 115 k bps, V.120, Hayes AT command set compatibility.
LAN card	Ethernet 10BaseT or 100BaseTX compatible

Table 3 - Communication Device Requirements

4.3 Installing Communication Devices

Prior to installing Video Central, any communication devices should be installed on the PC(s). This is done under the Phone/Modem options or Network options on the Control Panel on Windows. Please refer to your IT support personnel or Windows Help for details on how to install communication devices.

The serial communications rely heavily on the performance of the serial ports of the PC. Some PCs have serial ports that will not reliably support the data rates required to communicate with ADPRO transmitters. If problems are experienced on serial communications connections, please check that the Video Central Session Handlers are not recording errors due to overruns on the PC serial ports.

Modems and Terminal Adaptors

Video Central has been designed to work with industry-standard modems and terminal adaptors (TA). Contact your supplier for a recommendation as to which modem/TA to use. If using internal modems in your PC, no more than one should be installed in any PC as performance and operation with more than one internal modem may produce erroneous results.

Communication Devices

Video Central Lite only supports a single communications device.

Video Central Gold supports a maximum of eight communication devices (also known as Session Handlers) on any one PC, which is fitted with a dongle. Up to four of the communication devices can be any mix of modems or TAs, the rest are allocated as TCP/IP interfaces (managed through the one TCP/IP interface). For instance, if one modem and two TAs are connected to a Video Central PC, then five TCP/IP Session Handlers are available for connection via Ethernet. If a multi-port serial expander card is required to support serial devices on a PC, please contact your supplier for the recommended expander card.

Network Cards

Video Central can be used to connect to FastTrace, FastTx, FastVu and Fast Scan Transmitters over an Ethernet network. Note that Fast Scan Transmitters must be fitted with a third party Network Adaptor (VM53 or MSS100). Network cards fitted to Video Central PCs must be compatible with either 10BaseT or 100BaseTx cabling.

In some circumstances, two network cards may be required in one PC running Video Central, one used to access an internal Ethernet network and one used for external Ethernet communications to ADPRO transmitters. Video Central uses the IP address and subnet mask of the ADPRO transmitters to determine which interface will be used for communication with the transmitters. Therefore it is extremely important to ensure that all IP addresses used for transmitters are managed centrally, to ensure correct operation of Video Central.

5.0 Installation/Upgrade Guidelines

This section contains generic guidelines about upgrading/installing Video Central and should be read prior to commencing the install/upgrade process.

NOTES: It is recommended the database be backed up prior to installing/upgrading Video Central.

If upgrading from Video Central Lite the database must first be backed up and then the Video Central Lite software must be uninstalled prior to installing Video Central Gold.

Refer to *Backup Video Central Database* on page 10 for instructions on backing up the Video Central database.

Uninstallation of Video Central Lite is performed from the Control Panel under Windows. Please refer to Windows Help for details on this process. It is recommended that the PC be restarted after the uninstall process

After upgrading, the database can be re-imported into Video Central Gold if necessary. This process is described in *Import Site Details and Database* on page 21

5.1 Security and Permissions

To install or upgrade Video Central, Administrator level access is generally required. Power User level access may be used, but depending on the limitations placed on Windows from a security perspective, this may not be successful.

Video Central requires access to the registry in operational mode. This impacts on the access levels of operators who use Video Central. The correct access can be achieved as follows:

- **Windows 2000 / XP** - Power Users and Administrators have access to the required registry sections by default. Users must be provided the appropriate access.

5.2 Install/Upgrade Timing

It is important to choose a period of little to no activity in a Monitoring Station to perform an install or an upgrade. Determine the timing which best suits your Monitoring Station's activity level. The actual install/upgrade should be able to be completed within an hour in even complex scenarios, excluding the time elapsed to backup the database (refer to *Database Backup Time* on page 7 for further details).

5.3 Database Backup Time

The Video Central database can take a considerable time to backup. The length of time to backup depends on the amount of data stored in the database, which is directly influenced by how often backups are performed and the activity that the Monitoring Station experiences. Experience of performing a backup on your Video Central configuration will deliver the best guideline as to the amount of time to allocate to this process, but it could take several hours to backup a month's data from a busy Monitoring Station.

5.4 Video Central/Remote Transmitter Passwords

When upgrading/installing Video Central it is vitally important to ensure the correct passwords are entered into site details for each ADPRO remote video transmitter to access the transmitter. Video Central must use the CMS Password to access transmitters.

5.5 Disable the File Indexing Service

To conserve memory resources, the Index Service should be disabled on all drives used by Video Central. To perform this:

1. Open **Windows Explorer**, right click on a drive and select **Properties**.
2. Deselect the check box labelled Allow Indexing Service to index this disk for fast file searching.

5.6 Virus Scan Software

Virus Scan software can interfere with the efficient running of Video Central, particularly in busy Central Monitoring Stations. The software should be configured for manual scan, and the scan performed during an off-peak time in the Monitoring Station.

5.7 Disable Screensavers

Screensavers should be disabled as follows:

1. Go to **Start / Control Panel / Display** and select the **Screensaver** tab.
2. Set the **Screensaver** dropdown list to **None**.

5.8 Defragment Hard Drives

The hard drives on the database machine should be defragmented regularly to maintain hard disk performance. This must be performed without any applications running. To do this:

1. Go to **Start / All Programs / Accessories / System Tools / Disk Defragmenter**.
2. Select **Defragment**.

5.9 Archive Database

The Video Central database stores all the video and audio information received by Video Central and can grow to a large size. The database should be regularly archived to ensure data is backed up, as well as maintain Video Central performance. Please refer to the Video Central online help or *Backup Video Central Database* on page 10 for details of archiving data.

5.10 Close Other Applications

The number of applications running on the Video Central PCs must be kept to a minimum to ensure resources are available for Video Central to operate efficiently. Any unnecessary applications should not be used whilst Video Central is in operation.

5.11 Disable Themes (Windows XP SP2)

With Windows XP SP2 installed, after multiple connection/disconnections (usually several hundred) the number of GDI Objects created will reach the Windows Operating System limit of 9,999. Once this limit is reached, a message is displayed stating there is insufficient memory and the user interface may not perform correctly. To work around this problem, perform the following:

1. Go to **Start / Control Panel**.
2. Click **Display**.
3. On the **Themes** tab of the **Display Properties** dialog box, click **Windows Classic** in the **Theme** list.
4. Click **Apply**, and then click **OK**.

To correct this problem, contact Microsoft Product Support Services to obtain the hotfix.

Visit <http://support.microsoft.com>, select Search (Knowledge Base) and search for ID: 319740.

5.12 Enable Messenger Service (Windows XP SP2)

If you are using Windows XP and have installed Service Pack 2, the following message will appear when the Video Central User Interface is run:

“The Video Central Database could not start the Messenger Service. The service cannot be started, either because it is disabled or because it has no enabled devices associated with it. Low disk space warnings and task completion messages will not be sent unless this service is running.”

This warning is caused by Service Pack 2, which disables the Messenger service when it is installed. To fix this problem in Windows XP:

1. Go to **Start / Control Panel / Administrative Tools / Services**.
2. Right click on **Messenger**, select **Properties** and set the **Startup** type to **Automatic**.

When Video Central is restarted it will spend some time starting the service, and then you will receive a message saying:

“The Video Central Database has started the Messenger Service so that messages such as low disk space warnings and task completion messages can be sent. It was not running.”

This confirms that it is now working.

6.0 Single-PC Installation/Upgrade Instructions

The following upgrade process describes the recommended sequence in detail for upgrade and installation in a single PC environment for Video Central Lite or Gold. If a new Video Central installation is being performed, then the ‘Backup’ section is not required, as there is no existing Video Central data to backup. The previous version of Video Central Gold does not need to be removed if upgrading to a new version of Video Central Gold. If upgrading from Video Central Lite, this **must** first be **un-installed**. Refer to *Installation/Upgrade Guidelines* on page 6 for further details.

NOTE: Some steps are only required for Video Central Gold or Lite. The setup screens do not appear for the other versions. These steps are marked as such.

- 6.1 Backup Video Central Database (not required for new install)
- 6.2 Closing Video Central (not required for new install)
- 6.3 Install Video Central
- 6.4 Import data (if required)
- 6.5 Check System Functionality
- 6.6 Store Video Central DVD

6.1 Backup Video Central Database

NOTE: This step is not required for a new installation of Video Central. Please continue to the next step.

The first step is to backup all the site information in the Video Central database. This should always be done on a regular basis to ensure that the monitoring station can be restarted quickly in the event of a PC crash.

Although every effort is made to ensure database compatibility, Xtralis cannot guarantee backwards compatibility between software versions of Video Central. Therefore it is important that prior to upgrade, a database backup is performed so that if for any reason, you must revert to a previous version of Video Central, you will have a compatible database.

NOTE: Alarms received whilst a backup is in progress may not get included in the current backup, but will be included in the next backup sequence.

Accessing the Database Administration screen

Select the **Database / Administration** menu selection on Video Central Gold to gain access to the Administration menu as shown below.

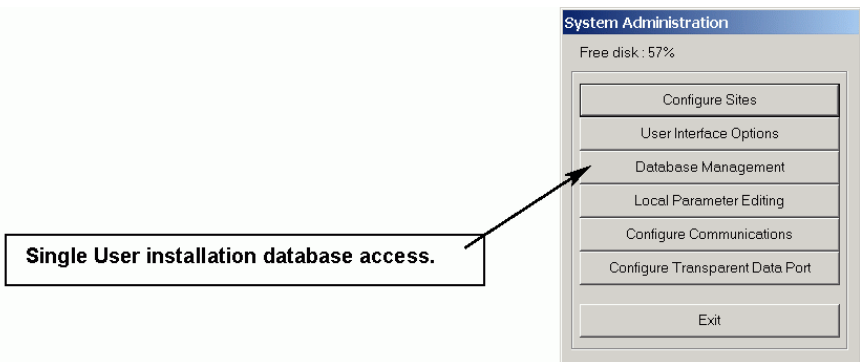


Figure 1 - Database Administration Access

NOTE: You may require ADMINISTRATOR privileges on the PC to perform the backup, or an ADMINISTRATOR logon under Video Central if using User Logons.

Select **Database Management** and a screen with five tabs will appear to select between the five different types of database functions that can be performed:

- Database Archive Locations
- Database Tasks
- Database Task Queue
- General Functions
- User Functions

Database Tasks

Click on the **Tasks** tab to carry out data administration tasks. The following screen will appear:

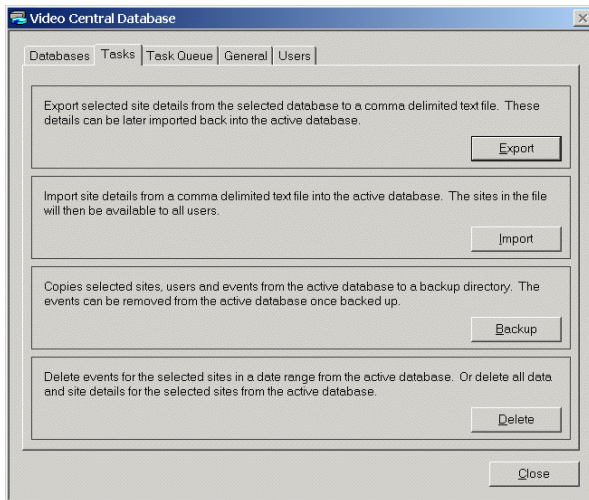


Figure 2 - Database Tasks Screen

To Export site details:

Under the **Tasks** tab, select the **Export** button. A similar screen will appear:

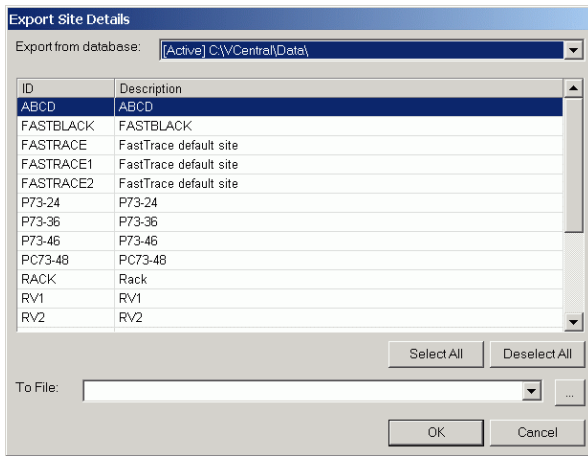


Figure 3 - Export Site Details

Select all site details to be exported, the file to which to export, and then click **OK**. This process will store all site details (with no image or event records) in a single file. To select multiple sites, hold down the **CTRL** key and select another site, or use the **Select All** button to select all sites.

To Backup site details:

Under the **Tasks** tab, select the **Backup** button. A similar screen will appear:

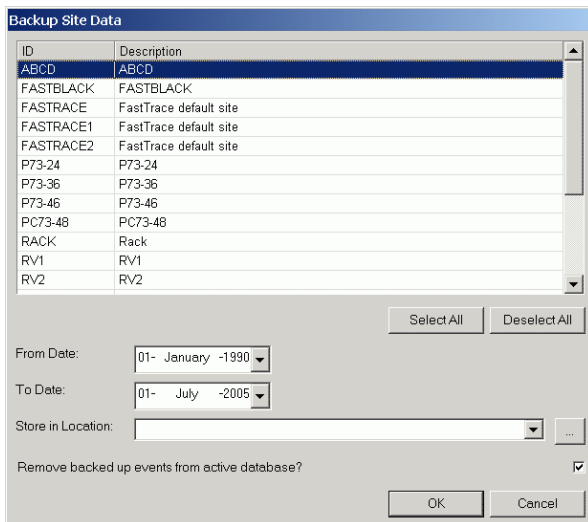



Figure 4 - Backup Site Data Screen

Pick all sites to backup by using the **Select All** button.

- Select a date range between which the information is to be backed-up (the back-up will go from 00:00:00 hours of the first date through to 23:59:59 hours of the last date). The default From date will be 1st January 1990 whilst the default To date will be the current date. Set the “From Date” to the date when the last backup was performed.
- Select a folder location to export to. If an export has been carried out previously and you wish to write to the same file(s), use the drop-down menu to the right of the text box. Alternatively use the browse button  to select the required location / file.
- Press the **OK** button to start the backup / archive. A confirmation box will be presented to verify the intended actions. If all information is correct click the **Yes** tab.

The backup function will take varying times, depending upon the amount of data to be backed up. The current status of the backup can be seen by looking at the Tasks list (click on the **Task Queue** tab). Notification of successful backup will be displayed on the relevant PC(s).

6.2 Closing Video Central

NOTE: This step is not required for a new installation of Video Central Gold. Please continue to the next step.

Video Central should now be shut down. To shut down the software either select **File / Exit** or **left-click** on the **Message Director Icon** in the bottom right-hand corner of the screen, and select **File / Exit Video Central** on the Message Director menu.

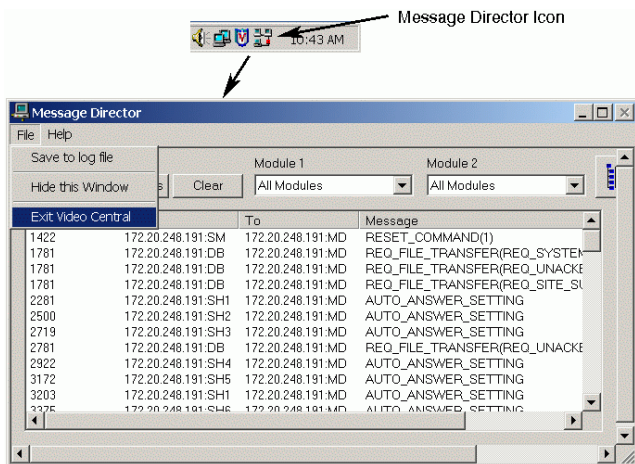


Figure 5 - Shutting down Video Central Gold

NOTE: If upgrading from Video Central Lite to Video Central Gold, you must first uninstall Video Central Lite before installing Video Central Gold.

6.3 Install Video Central

The next step is to install the new Video Central software. Insert the DVD into the appropriate drive. If the DVD does not autorun, select the **AutorunEx** application from the drive from Windows Explorer. The following screen will appear.

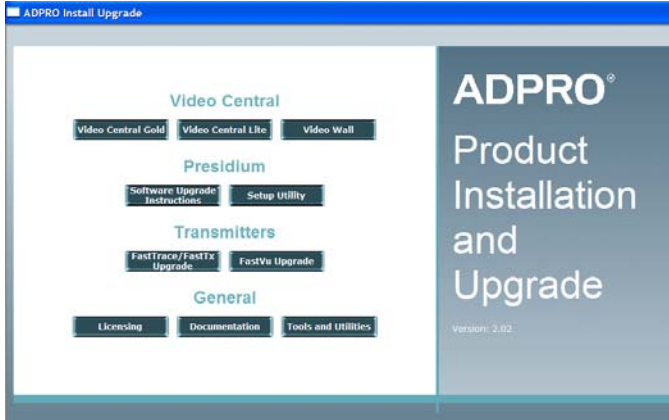


Figure 6 – Installation Screen

STEP 1: Select **Video Central Gold** or **Video Central Lite**, the following window is displayed.

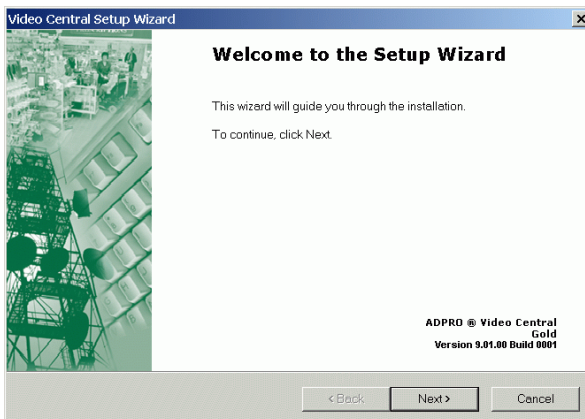


Figure 7 - Video Central Setup Wizard Introduction Screen

STEP 2: After checking that the version number that you are upgrading to is correct, click **NEXT**. At any point during the installation, you can go back any number of steps by clicking **BACK**.

STEP 3: Check that the location shown is where you wish to install Video Central. If it is correct, click **NEXT**, otherwise **BROWSE** and select the location.

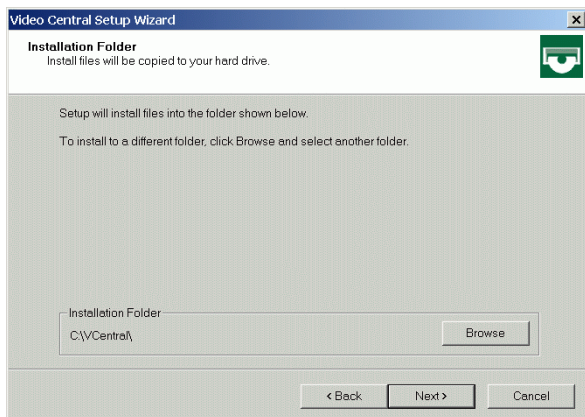


Figure 8 - Installation Location

STEP 4: VC Lite Only

To be able to access setups on the FastTrace/FastTx or accept incoming calls, you must select the **YES** option as shown in Figure 9. To receive alarms, a dongle must also be fitted to your PC. If using Video Central Lite without a dongle, Video Central Lite will not answer incoming calls therefore is not suitable for alarm monitoring.

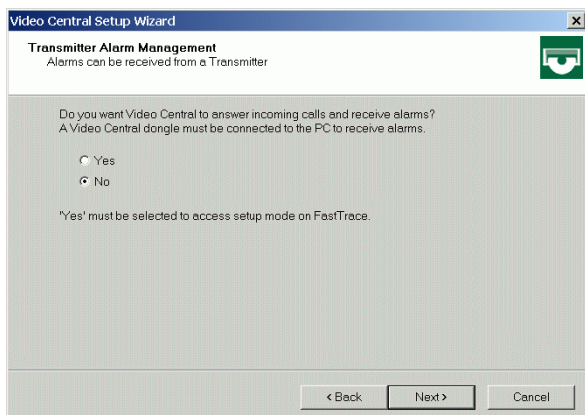


Figure 9 - Transmitter Alarm Management Screen

If you select **YES** as shown in Figure 9, the **CMS** password must be used to access ADPRO transmitters, and if you select **NO**, the **Observer** password must be used to access ADPRO transmitters.

STEP 4: VC Gold Only

Select the Single-User option and click NEXT.

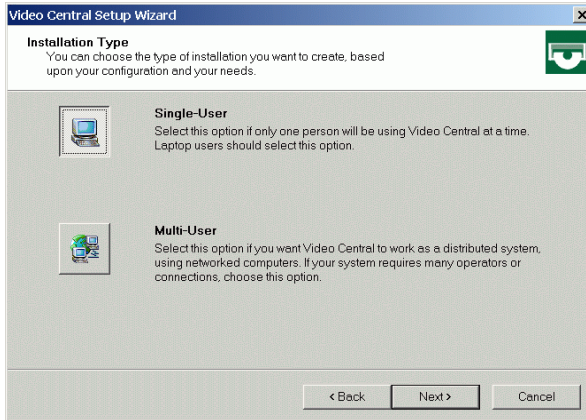


Figure 10 - Single/Multi User Selection

STEP 5: Check that the location of the Database is correct. If so, click **NEXT**, otherwise **BROWSE** and select the folder. This folder should be where the Database of the previous version of Video Central was stored if the system is being upgraded.

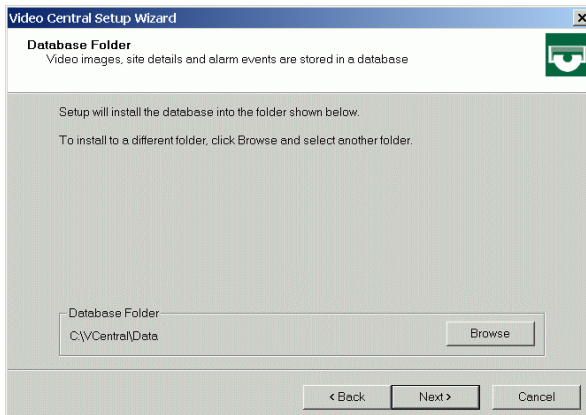


Figure 11 - Database Software Location

STEP 6: VC Gold Only

If the Basic Integration capability is being used (i.e. Video Central is passing alarm data to third party Central Station software), select **YES** and click **NEXT**. If it is not being used, select **NO** and click **NEXT**.

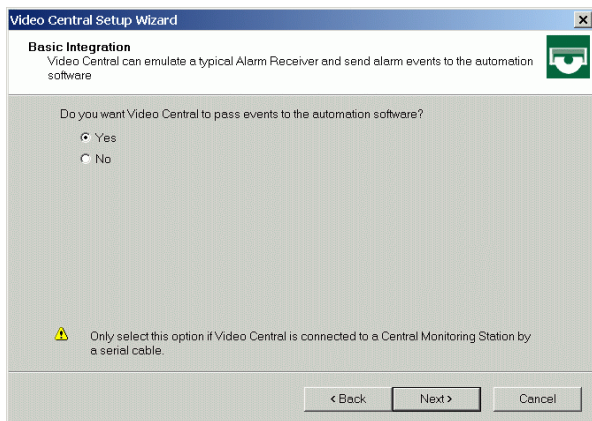


Figure 12 - Basic Integration Selection

STEP 7: VC Gold Only

If Basic Integration is being used, check that the communications settings are correct, make any required changes and click **NEXT**.

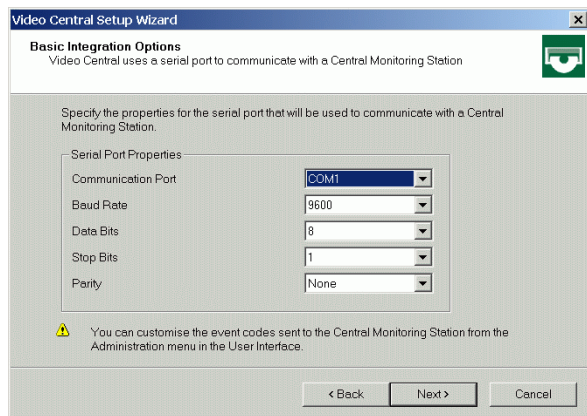


Figure 13 - Basic Integration Options

NOTE: Ensure that the COM port specified is not used for connection to a modem or terminal adaptor.

STEP 8: Enable the appropriate communication devices to be used for Video Central by checking the appropriate boxes next to the communications devices. Communication devices can also be added after Video Central has been installed.

NOTE: Video Central Lite only allows a single communication device to be used. Video Central Gold allows multiple communication devices.



Figure 14 - Communication Devices

NOTE: The Network adaptor only needs to be enabled if Ethernet communications are to be used for communicating to the Transmitters. Even though a Video Central PC may use the network to communicate with other company IT infrastructure, this setting only applies to communications with ADPRO Transmitters.

STEP 9: Configure the Modems and TAs for PSTN or ISDN operation as appropriate.

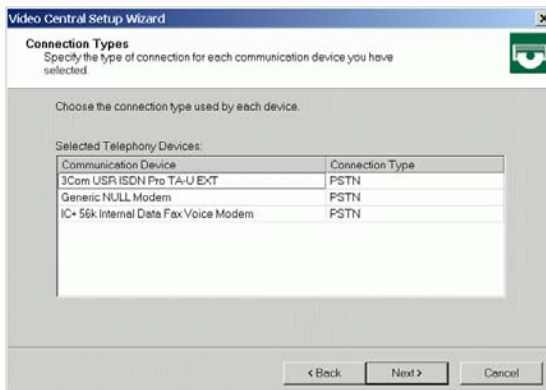


Figure 15 - Connection Types for Modems and TAs

STEP 10: Configure the PSTN devices for the number of rings required to answer and for phone line checking (if required).

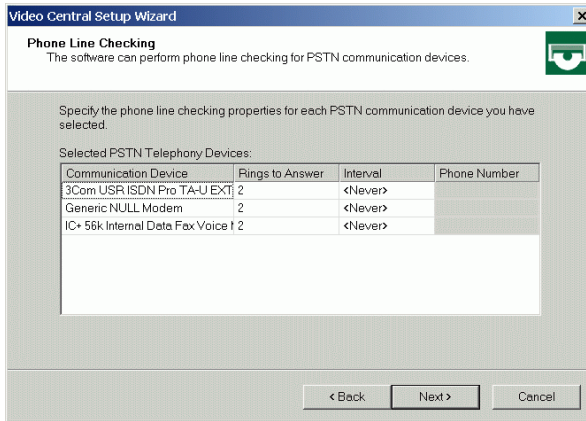


Figure 16 - Modem Setup

STEP 11: Configure the TA / Modem checking for ISDN devices.

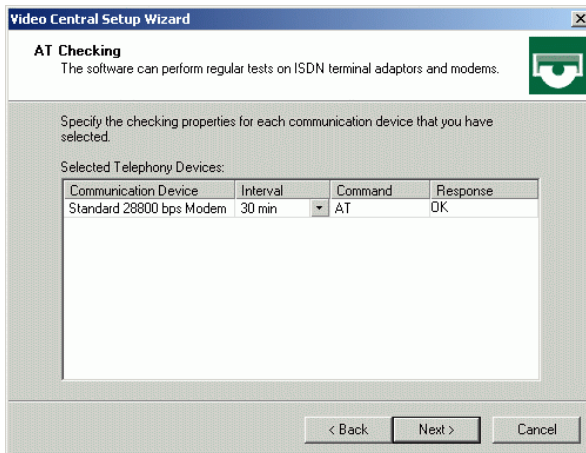


Figure 17 – AT Checking

STEP 12: Check that the summary screen displays your required installation options, then click **FINISH** to complete the install, or click **BACK** to change an option.

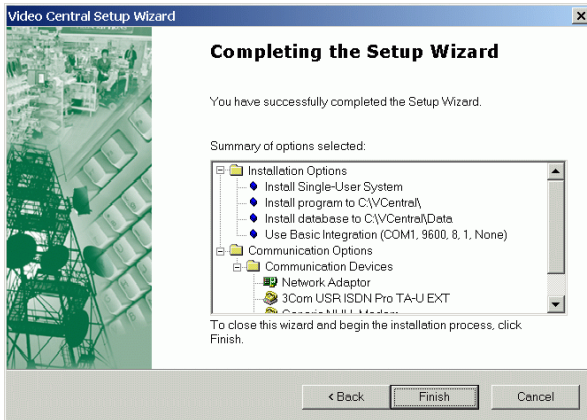


Figure 18 - Installation Confirmation

STEP 13: Once the install has completed, reboot the PC.

6.4 Import Site Details and Database

NOTE: This step is only required if the Site Details and Database are being transferred to a new system.

The site details backed up under **Database Tasks**, can now be re-imported into Video Central. With Video Central running, click on **Database / Administration / Database Management** menu selection.

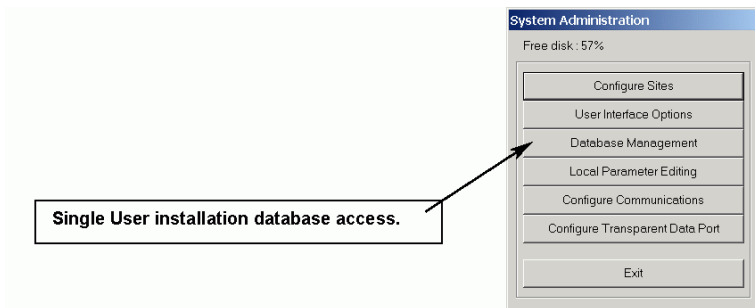


Figure 19 - Database Administration Access

Click on the **Tasks** tab to carry out data administration tasks. The following screen will appear:

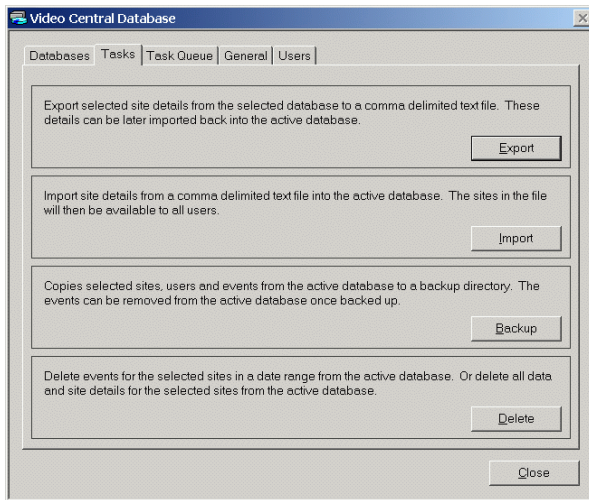


Figure 20 - Database Tasks Screen

STEP 1: Under the **Tasks** tab, select the **Import** button. A similar screen will appear:

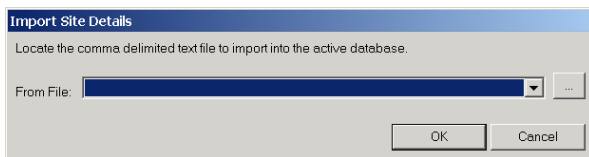


Figure 21 - Import Site Details

Select the file to which the site details were previously exported, and click **OK**. The site details will now be imported into the Video Central Database.

STEP 2: To link the archived database to the new Video Central Database, select the **Database** tab and a similar screen will appear.

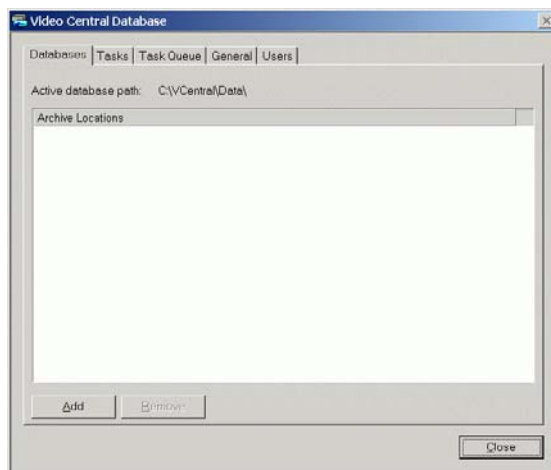


Figure 22 - Database Screen

STEP 3: Click **Add**, and select the location of the archived database, then click **OK**. This data will now be available to be searched from Video Central.

6.5 Check System Functionality

The final stage is to check the system functionality of Video Central. The following capability should be confirmed:

- Ability to connect to all Transmitter types monitored and with video and audio transmission (where used)
- Ability to receive alarms from all Transmitter types monitored
- Connection to multiple sites simultaneously where more than one communication device is used (Video Central Gold only)
- Access to setup menus on each different type of transmitter
- Access to remotely change control outputs
- Database search and retrieval of data from the Video Central Database

6.6 Store Video Central DVD

At this stage it is important to store the Video Central Upgrade DVD for future use, or to enable a smooth recovery process in the instance of a hard disk failure.

If your company has a data or configuration management plan, then the software should be stored according to that plan. If not, make a backup of the DVD and give one copy to the person responsible for the IT within the Central Station or the Video Central administrator, and the other copy to the Central Station manager.

7.0 Multi-PC Installation/Upgrade Instructions

This section is only applicable to Video Central Gold.

The following upgrade process describes the recommended sequence in detail for upgrade and installation in a Multi-PC environment. If a new Video Central Gold installation is being performed, then the 'Backup' section is not required, as there is no existing Video Central data to backup. The previous version of Video Central Gold does not need to be removed prior to installing the new version. If upgrading from Video Central Lite, this **must** first be **un-installed**. Refer to *Installation/Upgrade Guidelines* on page 6 for further details.

- 7.1 Backup Database (not required for new install)
- 7.2 Closing Video Central (not required for new install)
- 7.3 Install Video Central on Database Server
- 7.4 Import site details and database
- 7.5 Check Database Functionality
- 7.6 Install Video Central on Other PCs
- 7.7 Check System Functionality
- 7.8 Store Video Central DVD

There may be PCs on the network that perform more than one function above, for instance the Database Server might also have Session Handlers (i.e. communication devices such as modems and terminal adaptors) connected, or PCs with Session Handlers might also be used as User Interfaces. As the software is installed or upgraded on each PC, it is important to check that the functionality of each PC is as expected.



WARNING: When Video Central is installed in a Multi-PC environment, the IP address of the PC with the Database is recorded in the other PCs with Video Central installed. If for whatever reason, the IP address of the Database PC is changed, the Video Central system will stop functioning until a Video Central Database with the correct IP address is reinstated. This situation will also occur if the Multi-PC installation is selected on a single PC at installation time. If the IP address of the single PC is altered, then Video Central will cease to function.

7.1 Backup Database

NOTE: This step not required for a new installation of Video Central Gold. Please continue to the next step.

The first step is to backup all the site information in the Video Central database. This should always be done on a regular basis to ensure that the monitoring station can be restarted quickly in the event of a PC crash.

Although every effort is made to ensure database compatibility, Xtralis cannot guarantee backwards compatibility between software versions of Video Central. Therefore it is important that prior to upgrade, a database backup is performed so that if for any reason, you must revert to a previous version of Video Central, you will have a compatible database.

NOTE: Alarms received whilst a backup is in progress may not get included in the current backup, but will be included in the next backup sequence.

From the Database Server, perform the following sequence:

Accessing the Database Administration screen

All Database functions must be carried out at the PC where the main Video Central Database resides. On a Multi User system the Database module sits in the Taskbar at the bottom of the main Windows screen.



Figure 23 - Database Administration Access

NOTE: You may require ADMINISTRATOR privileges on the PC to perform the upgrade, or an ADMINISTRATOR logon under Video Central if using User Logons.

Select **Database Management**; a screen with five tabs will appear to select between the five different types of database functions that can be performed:

- Database Archive Locations
- Database Tasks
- Database Task Queue
- General Functions
- User Functions

Database Tasks

Click on the **Tasks** tab to carry out data administration tasks. The following screen will appear:

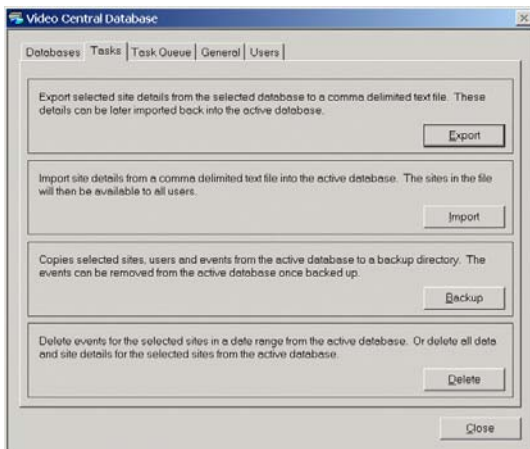


Figure 24 - Database Tasks Screen

STEP 1: Under the **Tasks** tab, select the **Export** button. A similar screen will appear:

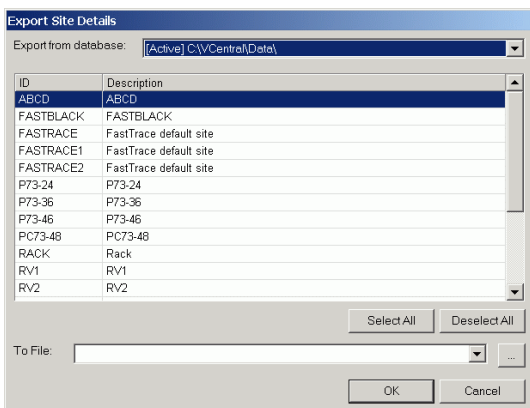


Figure 25 - Export Site Details

Select all site details to be exported, the file to which to export, and then click **OK**. This process will store all site details (with no image or event records) in a single file. To select multiple sites, hold down the **CTRL** key and select another site, or use the **Select All** button to select all sites.

STEP 2: Under the **Tasks** tab, select the **Backup** button. A similar screen will appear:

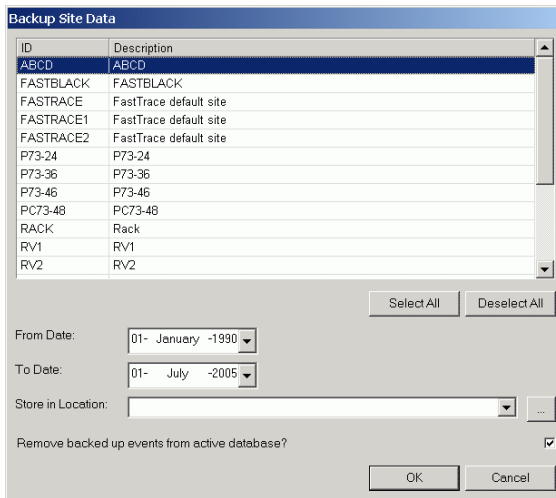


Figure 26 - Backup Site Data Screen

Pick all sites to backup by using the **Select All** button.

- Select a date range between which the information is to be backed-up (the back-up will go from 00:00:00 hours of the first date through to 23:59:59 hours of the last date). The default From date will be 1st January 1990 whilst the default To date will be the current date. Set the **From Date** to the date when the last backup was performed.
- Select a folder location to export to. If an export has been carried out previously and you wish to write to the same file(s), use the drop-down menu to the right of the text box. Alternatively use the browse button to select the required location / file.
- Press the **OK** button to start the backup / archive. A confirmation box will be presented to verify the intended actions. If all information is correct click the **Yes** tab.

The backup function will take varying times, depending upon the amount of data to be backed up. The current status of the backup can be seen by looking at the Tasks list (click on the **Task Queue** tab). Notification of successful backup will be displayed on the relevant PC(s).

7.2 Closing Video Central Gold

NOTE: This step not required for a new installation of Video Central Gold. Please continue to the next step.

All Video Central applications should now be shut down on all PCs on the Video Central network. To shut down Video Central, left-click on the **Message Director** Icon in the bottom right-hand corner of the screen, and select **File / Exit Video Central** on the Message Director menu.

NOTE: It is important to shut down Video Central on the PCs with Session Handlers after ensuring that all alarms have been acknowledged, followed by PCs with User Interfaces, and finally the Database.

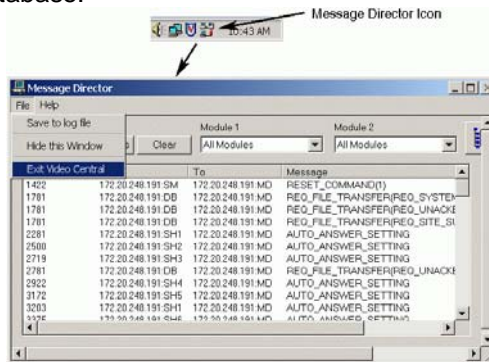


Figure 27 - Shutting down Video Central Gold

7.3 Install Video Central on Database Server

The next step is to install the new Video Central software on the Database PC. Insert the DVD into the appropriate drive. If the DVD does not autorun, select the **AutorunEx** application from the drive from Windows Explorer. The following screen will appear.



Figure 28 – Installation Screen

STEP 1: Select **Video Central Gold**, the following window is displayed.

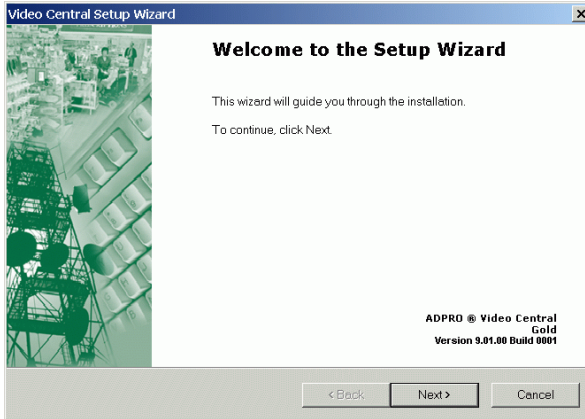


Figure 29 - Video Central Setup Wizard Introduction Screen

STEP 2: After checking that the version number that you are upgrading to is correct, press **NEXT**. At any point during the installation, you can go back any number of steps by clicking **BACK**.

STEP 3: Check that the location shown is where you wish to install Video Central. If it is correct, click **NEXT**, otherwise **BROWSE** and select the location.

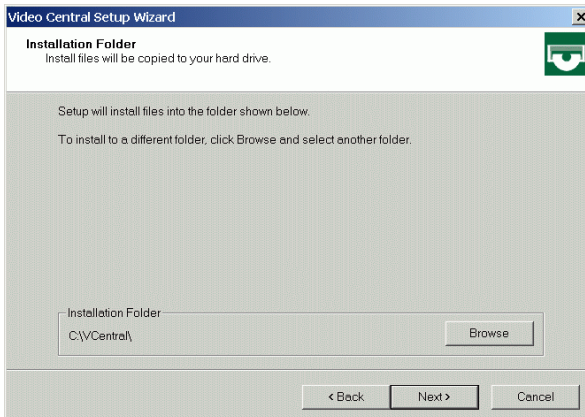


Figure 30 - Installation Location

STEP 4: Select the user option as required, i.e. if the Video Central system is going to be run on more than one PC using a central database, select the **Multi-User** option and click **NEXT**.

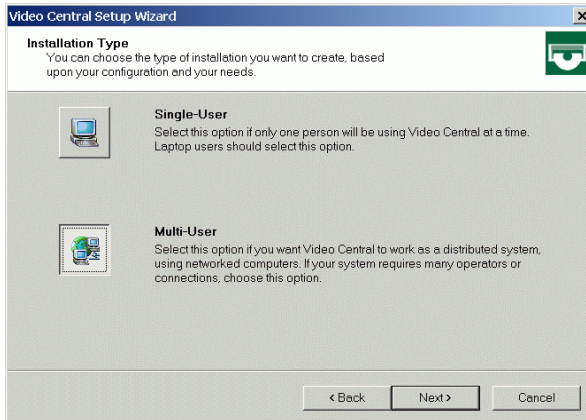


Figure 31 - Single/Multi User Selection

STEP 5: The Video Central Database will be stored on this PC, so select **YES** and click **NEXT**. Take note of the **IP address and name** of the computer for use when installing the software on the other PCs.

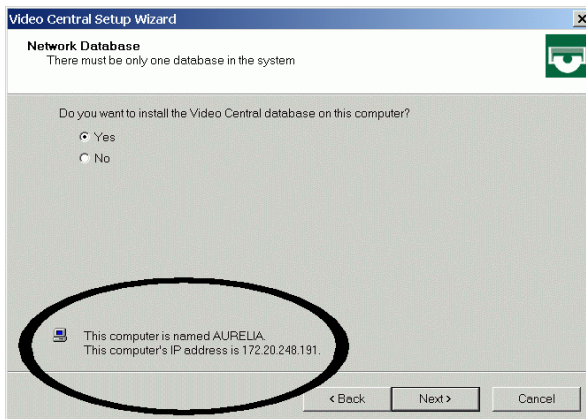


Figure 32 - Database Selection

STEP 6: Check that the location of the Database is correct. If so, click **NEXT**, otherwise **BROWSE** and select the folder. This folder should be where the Database of the previous version of Video Central was stored.

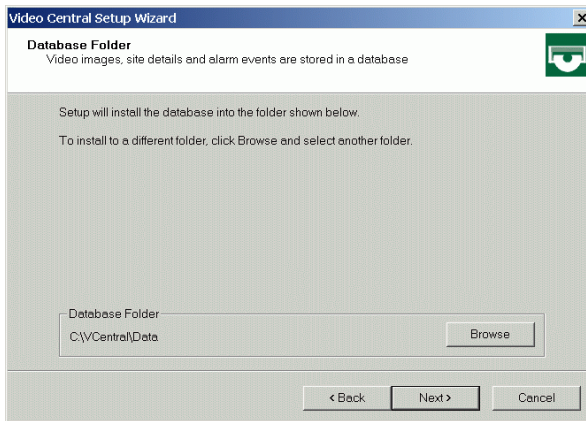


Figure 33 - Database Software Location

STEP 7: If the Basic Integration capability is being used (i.e. Video Central is passing alarm data to third party Central Station software), select **YES** and click **NEXT**. If it is not being used, select **NO** and click **NEXT**. The Basic Integration functionality is only available on the Database Server PC.

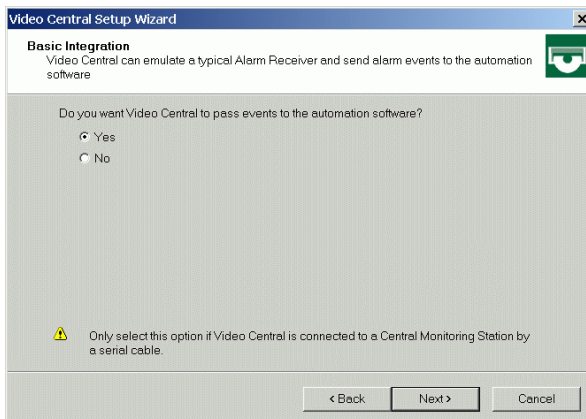


Figure 34 - Basic Integration Selection

STEP 8: If Basic Integration is being used, check that the communications settings are correct, make any required changes and click **NEXT**.



Figure 35 - Basic Integration Options

NOTE: Ensure that the COM port specified is not used for connection to a modem or terminal adaptor.

STEP 9: Enable the appropriate communication devices to be used for Video Central on this PC by checking the appropriate boxes next to the communications devices. Communication devices can be added after Video Central has been installed.



Figure 36 - Communication Devices

NOTE: The Network adaptor only needs to be enabled if Ethernet communications are to be used for communicating to the Transmitters. Even though the Video Central PCs use the network to communicate between themselves, this setting only applies to communications with Transmitters.

STEP 10: If the Database Server machine also supports communications devices, configure the Modems and TAs for PSTN or ISDN operation as appropriate.

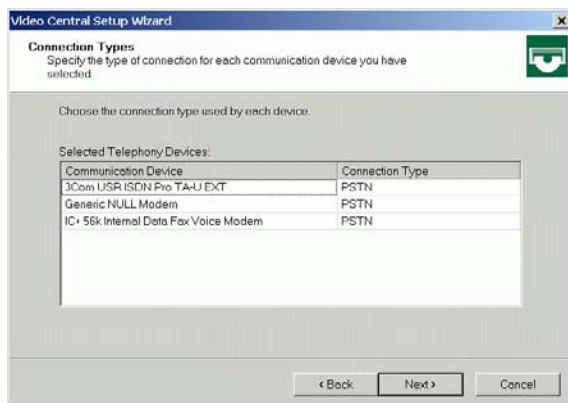


Figure 37 - Connection Types for Modems and TAs

STEP 11: If the Database Server machine also supports communications devices, configure the PSTN devices for the number of rings required to answer and for phone line checking (if required).

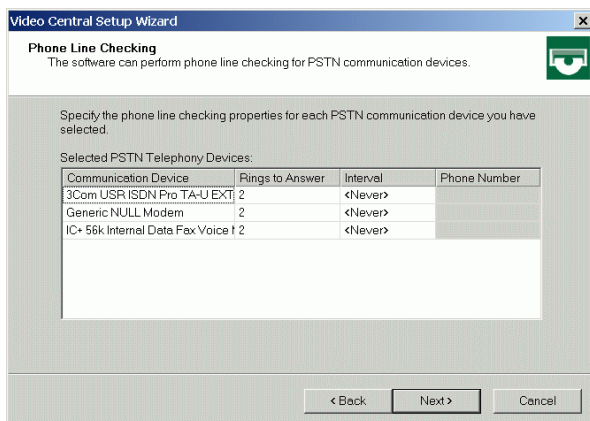
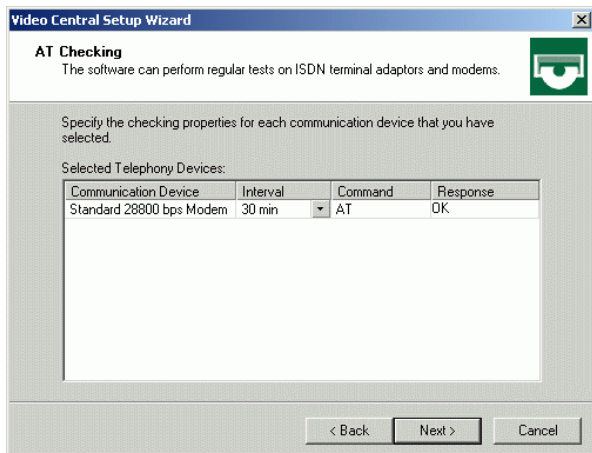
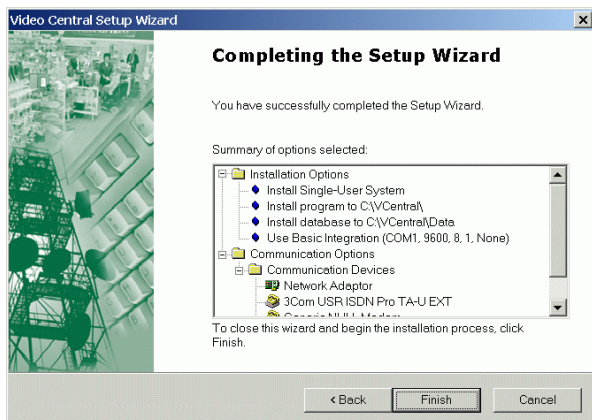


Figure 38 - Modem Setup

STEP 12: Configure the TA / Modem checking for ISDN devices.*Figure 39 – AT Checking***STEP 13:** Check that the summary screen displays your required installation options, then click **FINISH** to complete the install, or click **BACK** to change an option.*Figure 40 - Installation Confirmation***STEP 14:** Once the install has completed, reboot this PC and start Video Central Gold if it does not automatically start.

7.4 Import Site Details and Database

NOTE: This step is only required if the Site Details and Database are being transferred to a new system.

The site details backed up under **Database Tasks**, can now be re-imported into Video Central Gold on the PC running the Database. With Video Central running, select **Database** on the taskbar menu.

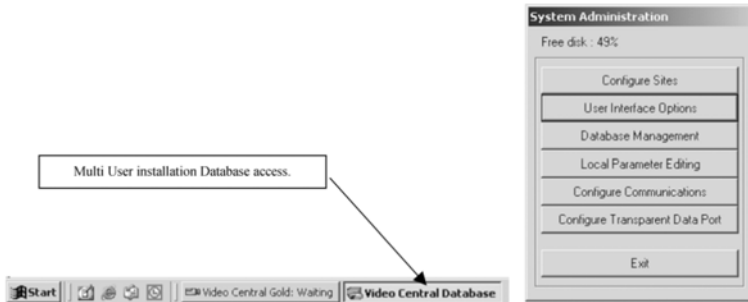


Figure 41 - Database Administration Access

Select **Database Management** and click on the **Tasks** tab to carry out data administration tasks. The following screen will appear:

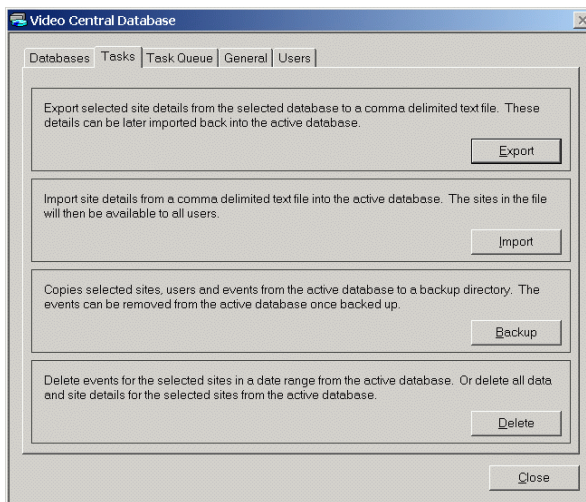


Figure 42 - Database Tasks Screen

STEP 1: Under the **Tasks** tab, select the **Import** button. A similar screen will appear:

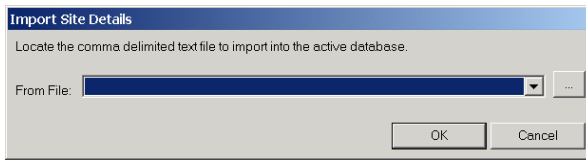


Figure 43 - Import Site Details

Select the file to which the site details were previously exported, and click **OK**. The site details will now be imported into the Video Central Gold Database.

STEP 2: To link the archived database to the new Video Central Gold Database, select the **Database** Tab and a similar screen will appear.

Select **Add** and select the location of the archived database, then click **OK**. This data will now be available to be searched from Video Central Gold.

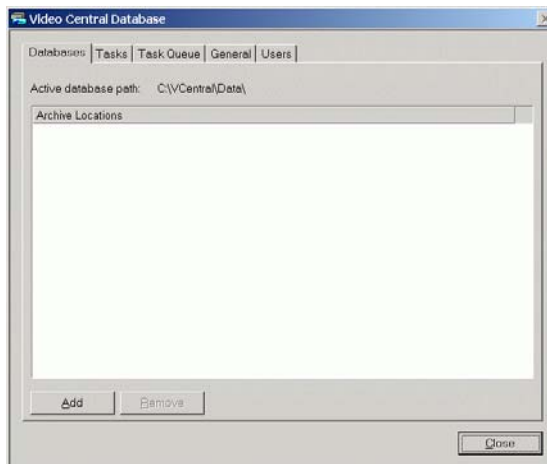


Figure 44 - Database Menu

7.5 Check Database Functionality

The Database Functionality should now be checked. The following capability should be checked:

- Check that all sites are present in the Database as expected.
- Perform a Database search within the Video Central database to check that all expected events are still present in the Database.
- If the Database Server also supports communication devices, check that connections can be established to each transmitter type being monitored.

7.6 Install Video Central Gold on Other PCs

The next step is to install the new Video Central software on the other PCs, which support communication devices (Session Handlers) and user interfaces. Each PC should be upgraded in turn and functionality confirmed before commencing on the next PC. Insert the DVD into the appropriate drive. If the DVD does not autorun, select the **AutorunEx** application from the drive from Windows Explorer. The following screen will appear.

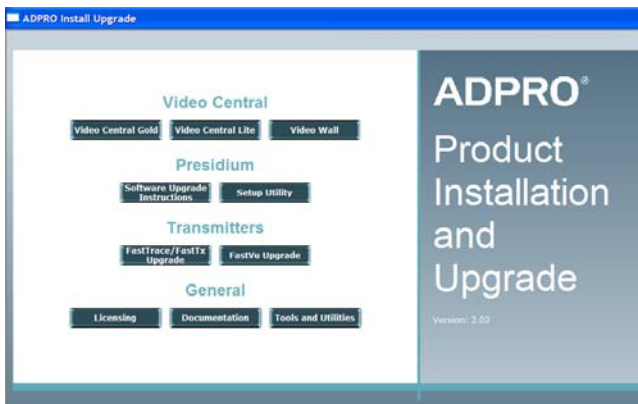


Figure 45 – Installation Screen

STEP 1: Select **Video Central Gold**, the following window is displayed.

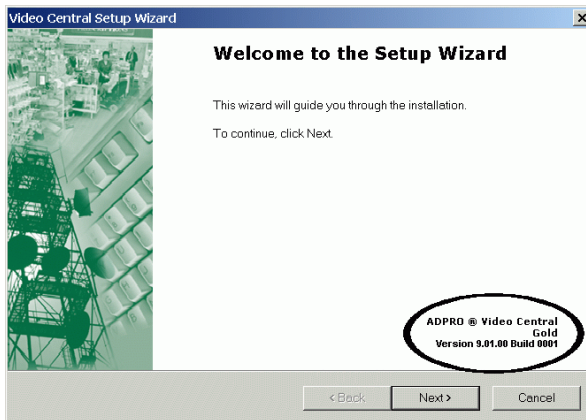


Figure 46 - Video Central Setup Wizard Introduction Screen

STEP 2: After checking that the version number that you are upgrading to is correct, press **NEXT**. At any point during the installation, you can go back any number of steps by clicking **BACK**.

STEP 3: Check that the location shown is where you wish to install Video Central. If it is correct, click **NEXT**, otherwise **BROWSE** and select the location.

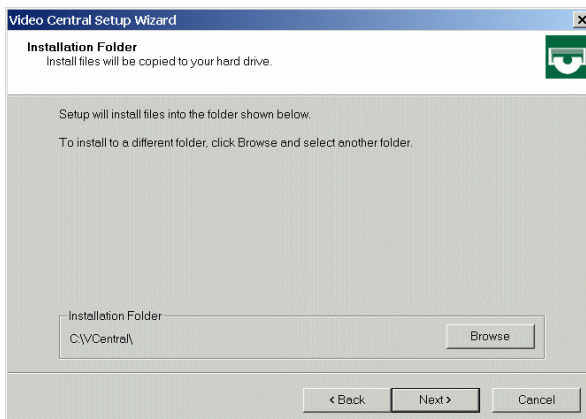


Figure 47 - Installation Location

STEP 4: Select the **Multi-User** option and click **NEXT**.

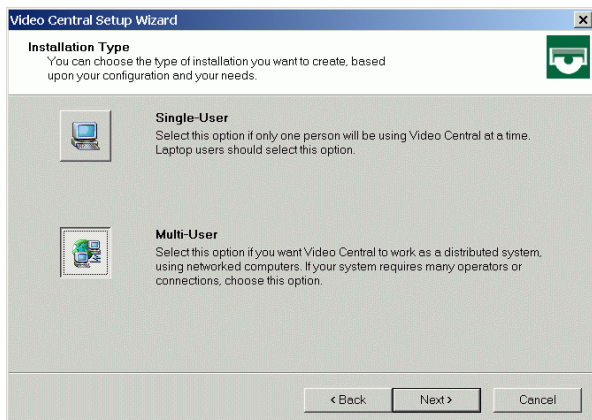


Figure 48 - Single/Multi User Selection

STEP 5: The Video Central Database will not be stored on this PC, so select **NO** and click **NEXT**.

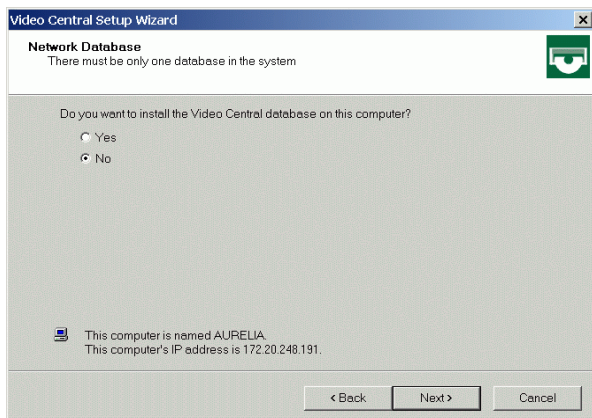


Figure 49 - Database Selection

STEP 6: Specify the location of the Database Server either by name or by IP address. Click the **TEST** button to confirm that the Database Server can be seen by this PC. It is important that if you select **NO**, ensure that the IP address of the Database PC is correctly entered otherwise the system will not function.

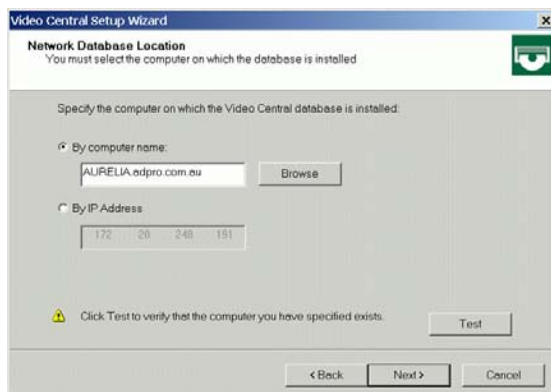


Figure 50 - Database Location

STEP 7: Enable the appropriate communication devices to be used for Video Central by checking the appropriate boxes next to the communications devices. Communication devices can be added after Video Central has been installed.



Figure 51 - Communication Devices

NOTE: The Network adaptor only needs to be enabled if Ethernet communications are to be used for communicating to the Transmitters. Even though the Video Central PCs use the network to communicate between themselves, this setting only applies to communications with Transmitters.

STEP 8: Configure the Modems and TAs for PSTN or ISDN operation as appropriate.

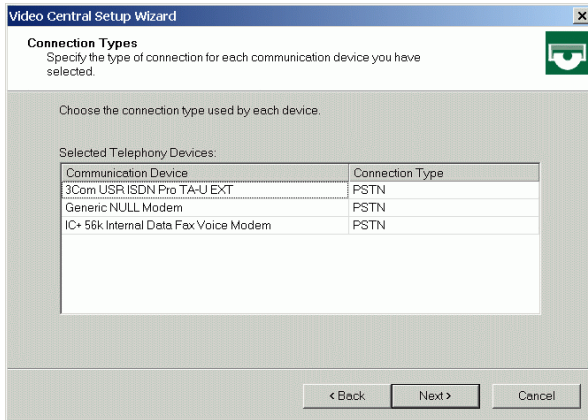


Figure 52 - Connection Types for Modems and TAs

STEP 9: Configure the PSTN devices for the number of rings required to answer and for phone line checking (if required).

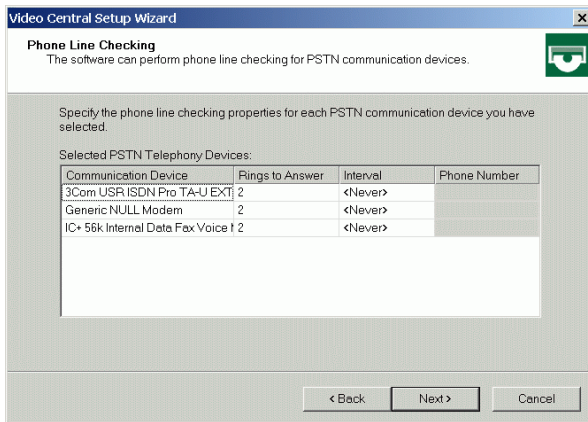


Figure 53 - Modem Setup

STEP 10: Configure the TA / Modem checking for ISDN devices.

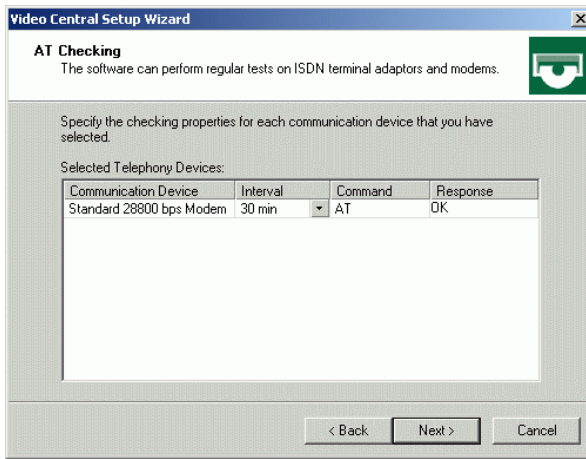


Figure 54 – AT Checking

STEP 11: Check that the summary screen displays your required installation options, then click **FINISH** to complete the install, or click **BACK** to change an option.

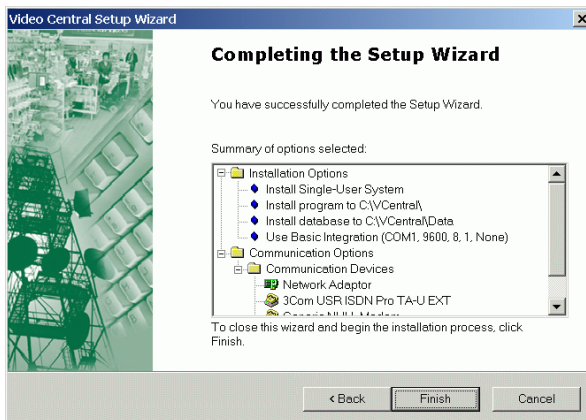


Figure 55 - Installation Confirmation

STEP 12: Once the install has completed, reboot this PC and start Video Central Gold if it does not automatically start.

As each PC has the software installed or upgraded the following functionality should be confirmed, with Video Central Gold running on the Database Server:

- Access to the Database, i.e. all sites are visible for possible connection
- Ability to communicate with each transmitter type on all communication devices

7.7 Check System Functionality

Once the software has been upgraded/installed on all PCs, the system functionality should be confirmed as follows:

- Ability to receive alarms on all User Interfaces
- Receiving alarms from multiple sites simultaneously on multiple User Interfaces
- Connection to multiple sites simultaneously with video and audio transmission from multiple User Interfaces
- Access to setup menus on each different type of transmitter
- Access to remotely change control outputs
- Video Central Database search and retrieval of data from all User Interfaces

7.8 Store Video Central DVD

At this stage it is important to store the Video Central Upgrade DVD for future use, or to enable a smooth recovery process in the instance of a hard disk failure on one of the PCs.

If your company has a data or configuration management plan, then the software should be stored according to that plan. If not, make a backup of the DVD and give one copy to the person responsible for the IT within the Central Station or the Video Central administrator, and the other copy to the Central Station manager.

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