Smart-AVI
SMART AUDIO VIDEO INNOVATION

SIGNAGEPRO
DIGITAL SIGNAGE PLAYER

User's Guide
SignagePro v4. 4.0

www.smartavi.com

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Introduction

Congratulations on your purchase of the SignagePro Digital Signage Solution. Please read the instructions carefully before using.

SignagePro is a digital signage solution that creates new marketing and information sharing portals to reach target audiences with real time information. SignagePro attracts audiences by displaying your message using vivid, high-quality video and animation replacing traditional signs and posters.

SignagePro uses your IP network to remotely manage, control, and broadcast your information to target audiences in specific locations across the globe. Because it uses a closed network, your information is safe and secure.

SignagePro is capable of playing back all industry standards, such as Flash files, Video .MPG, HTML, QuickTime, Power Point, .JPG's, Java Applets, and more.

SignagePro is the ultimate solution that provides both hardware and software for the display and management of your digital content. It is highly cost effective and easy to use. It is the perfect solution for both small-scale and large-scale projects.

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What's in the Box?

PART NO.	QTY	DESCRIPTION
AP-SNCL*	1	SignagePro Client* - *Figure A*
ASUSBKEY	1	Unique USB Key -*Figure B*
AP-SNSV-WS	1	SignagePro Server Software Installation CD - *Figure C*
PS12VDC5A*	1	12-Volt 5-Amp Power Supply* - *Figure D*
CCPWR06	1	6-Foot Power Cable - *Figure E*

Figure A

Figure B

Figure C

Figure D

Figure E

* Actual part no/product may vary

Limited Warranty Statement

A. Extent of Limited Warranty

1. SmartAVI, Inc. warrants to the end-user customers that the SmartAVI product specified above will be free from defects in materials and workmanship for the duration of 1 year, which duration begins on the date of purchase by the customer. Customer is responsible for maintaining proof of date of purchase.

2. SmartAVI's limited warranty covers only those defects which arise as a result of normal use of the product, and do not apply to any:

a. Improper or inadequate maintenance or modifications.

b. Operations outside product specifications.

c. Mechanical abuse and exposure to severe conditions.

3. If SmartAVI receives, during Applicable warranty period, a notice of defect, SmartAVI, Inc. will, at its discretion, replace or repair the defective product. If SmartAVI is unable to replace or repair the defective product covered by the SmartAVI warranty within a reasonable period of time, SmartAVI shall refund the cost of the product.

4. SmartAVI shall have no obligation to repair, replace or refund unit until customer returns defective product to SmartAVI.

5. Any replacement product could be new or like new, provided that it has functionality at least equal to that of the product being replaced.

6. SmartAVI limited warranty is valid in any country where the covered product is distributed by SmartAVI.

Section 1 Setting up the SignagePro Server Software

1. Getting Started

This quick setup guide will instruct you on how to install and setup the SignagePro software onto your Server (Host PC) and how to setup the SignagePro client.

To ensure proper installation of the server software;

- Please make sure you are running Windows XP Professional with Service Pack 2 or 3, Windows 2003 or Windows Vista.
- Make sure that you are logged in as the system administrator.
- Turn off the Windows firewall. (see *Figure 1.1* for Windows XP) You can alternately select SignagePro under the exceptions tab. (*Figure 1.2*)
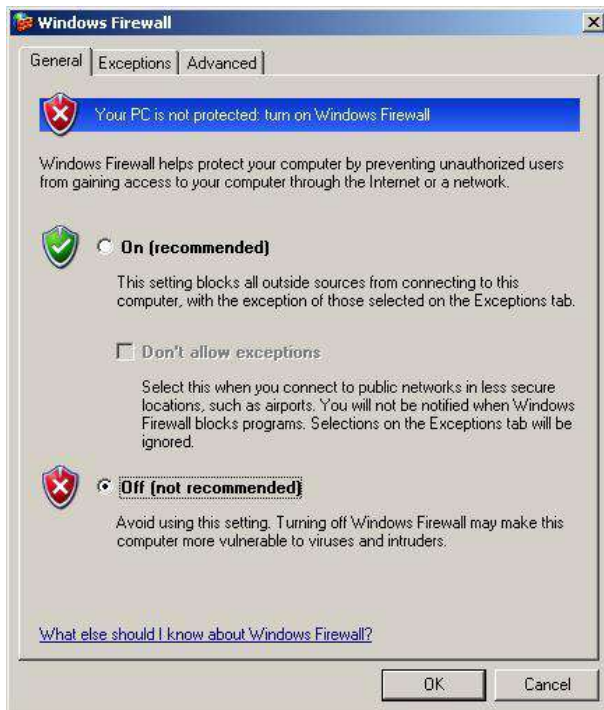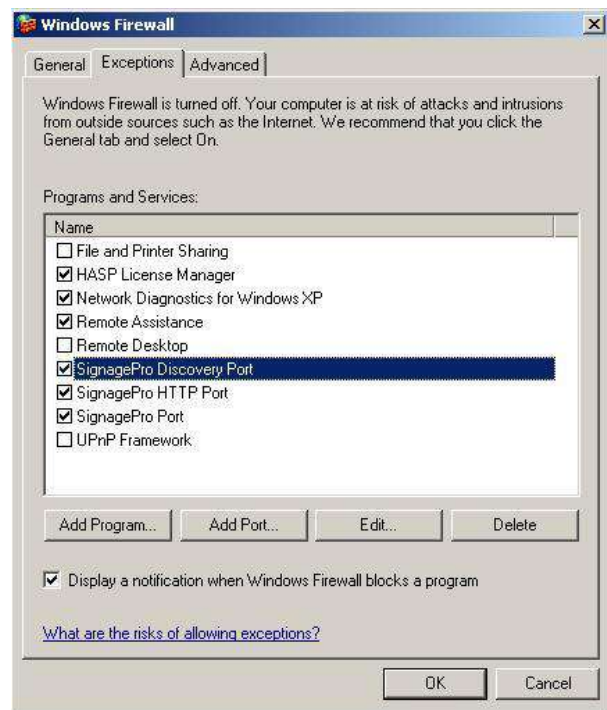- If you do not wish to turn off your firewall, please refer to Part 7.1 of the manual.

Figure 1.1

Figure 1.2

2. Installing SignagePro Server

SignagePro Server requires a unique USB key to be installed. You will find your key on back of the SignagePro Server CD sleeve. In addition, you must complete the online registration for your copy of SignagePro Server. If you do not register within the thirty-day window, your SignagePro Server software will become disabled. A registration window will open automatically. If you wish to register at a later date, simply select Help/Registration. For more help on registration, refer to Part 13 of the manual.

Note: For proper installation of the SignagePro Server software, you must insert the USB protection key provided into any available USB port on your PC before you install the SignagePro Server software. Once inserted, Windows will ask for the drivers; you may cancel that request; drivers will be installed during installation of the software.

1. Double click on the SignagePro Server Setup executable. Read the License Agreement then click 'I Agree'
2. Enter in your name and organization and enter the unique serial number (IN ALL CAPS) provided to you. **Important:** When entering the serial number, please make sure it is typed with ALL CAPS, or registration will not give you a 30 day grace period. (***Figure 2.1***)
3. The next window will be to choose components, make sure "SignagePro Server" is checked. (***Figure 2.2***)
4. Choose the installation location you would like to install the SignagePro Server. Click 'Next'.
5. Before the installation completes, you will be asked to create a password for the Administrator account. You must sign in as the Administrator for the first time you load the SignagePro Manager. For more information on the User Manager, go to Section 2 of the manual.

Figure 2.1

Figure 2.2

3. Setting up the SignagePro Client

1. Setting up the SignagePro Client
   a. Connect the power supply cable to the SignagePro client and plug the cable into a grounded power outlet.
   b. Connect a USB mouse and keyboard to the USB ports.
   c. Attach the VGA/DVI-D cable from the monitor or display to the VGA/DVI-D port on back of the client.
   d. Connect the SignagePro client to a router using CAT5 cable. (If you will be using a wireless router, please refer to your router's manual for additional information).

Press the power button to start the SignagePro client.

Turn on the display connected to the client.

2. Upon the initial reboot you may receive an error message stating that your password and username are incorrect.
   a. Click on the 'Change Configuration' button to setup user name and password.
      i. Use the username and password you used during the SignagePro Server setup. (Step 2.5)
      ii. You have the option of using any user you create in the SignagePro User Manager. (Section 2)
      iii. Once you have entered your new username and password click the 'Apply' button to log onto the SignagePro client.

4. Navigating the SignagePro Client

1. Once you've logged in, use the keys described in **Table 4.1** to navigate the various menus and functions.

KEYSTROKE	FUNCTION
ALT + CTRL + 1	Displays this navigation menu.
ALT + CTRL + 2	Setup Signage options; such as login username and password, IP address, player name, schedule (Figure 4.7)
ALT + CTRL + 3	Setup network configuration. Use this option for static IP or for use over WAN. If your network uses DHCP you will not use this option. (Figure 4.8)
ALT + CTRL + 4	Displays the SignagePro Information Window. Information includes; time & date, download status of your media, current version of SignagePro and connection status.
ALT + CTRL + 5	Allows user to use the Linux terminal.
ALT + CTRL + 6	Disconnects USB flash disks
ALT + CTRL + 7	Turns media on/off
ALT + CTRL + 9	Shut down and turn off the SignagePro client.

Table 4.1

2. Some of these menus include:
   - **SignagePro Configuration Panel via ALT+CTRL+2**
     i. **General** (*Figure 4.1*)
        - Server: IP address of the SignagePro server
        - Username and Password
        - Player Name: A unique name given to identify this client on the SignagePro Server network.
     ii. **System** (*Figure 4.2*)
        - Monitor Control
        - Keyboard
        - Audio
        - Proxy: Allows your SignagePro client to connect through a proxy server.
        - Resolution: Configure your resolution settings without going back to the Xorg Configuration panel
        - 3G Internet
     iii. **Media** (*Figure 4.3*)
        - Flash Quality: We recommend setting this to high quality for general use.
        - PowerPoint: If you are experiencing glitches in your PowerPoint presentations – try changing this setting.
        - Video Output
          o X11 (Ximage/Shm)
          o X11/xv: Use this setting if you will be using the SignagePro template feature. This also includes hardware acceleration.
        - Video Input: When using Video Input as a task, select the type of video input (i.e. S-Video, Composite, Tuner)

iv. **Resources (Figure 4.4)**
- Allows you to add your own Logos, Fonts and you can also setup the time for new media to be downloaded.

v. **Report** (*Figure 4.5*)
- Log level: Maximum, Normal or None.
- Reports: Set the amount of days you would like to keep reports for.
- Email Notification: Receive E-mail notifications of from logs via SMTP Server

vi. **Preview**
- Schedules that are running on your client will be shown here.

vii. **Reset** (*Figure 4.6*)
- This option will set your SignagePro client to factory default settings. All settings and media will be erased.
  - Local Resources: Allows you to add your own Logos, Fonts and you can also setup the time for new media to be downloaded.

b. **Network Configuration Menu via ALT+CTRL+3**

i. **Wired Network** (*Figure 4.7*)
- If you are connected via CAT-5 cable, your wired connection will be shown here.

ii. **Wireless Network**
- If you are connected via wireless dongle, your wireless connection will be shown here.

iii. **Static IP Address**
- If your network connection is setup through Static IPs, you can setup Static IP connection by clicking on 'Properties' and checking the 'Use Static IP' box. (*Figure 4.8*)
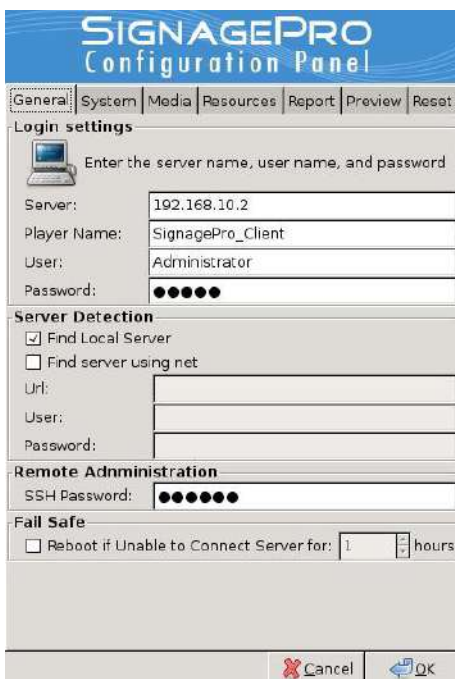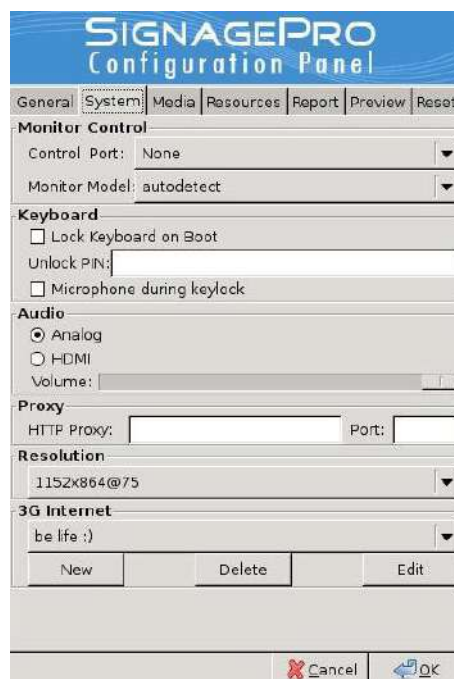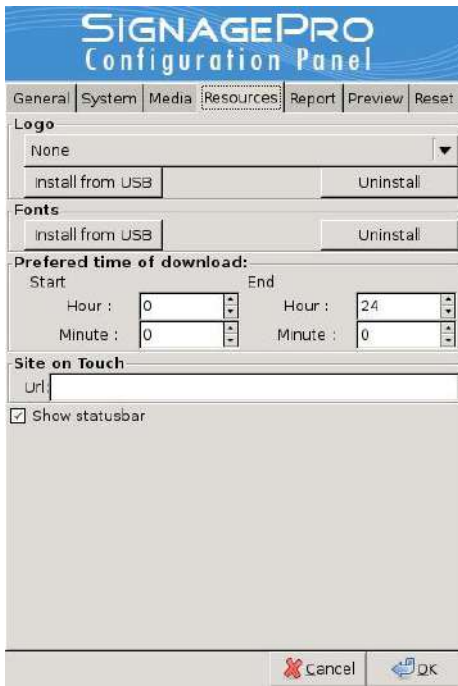

Figure 4.1   *Figure 4.2*   *Figure 4.3*
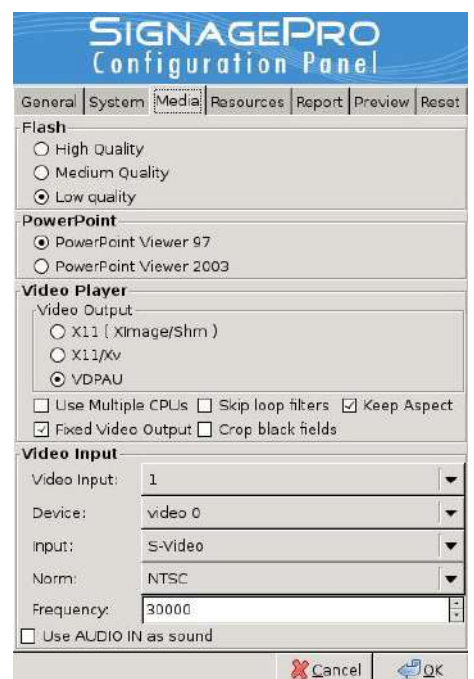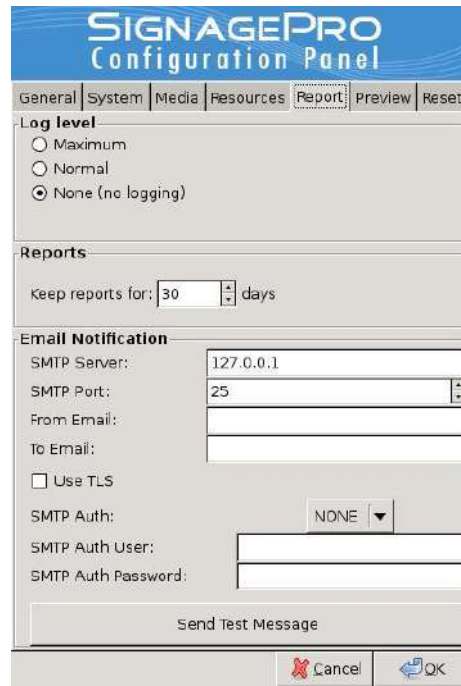
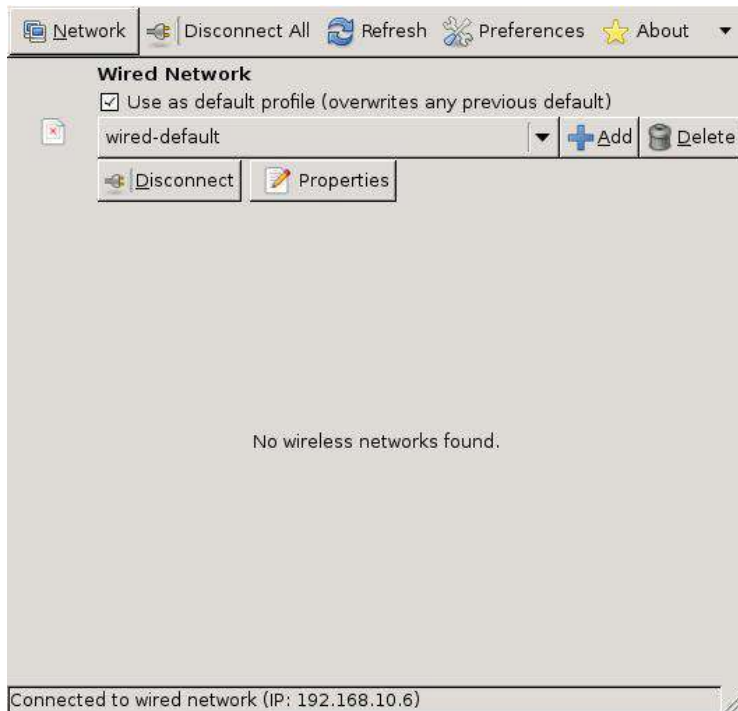**Figure 4.4**

Figure 4.5

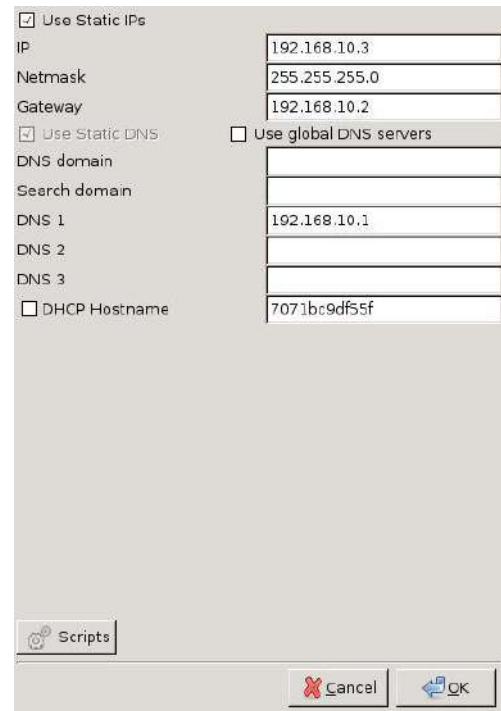**Figure 4.6**

Figure 4.7

Figure 4.8

3. Once you have finished with your configuration click 'OK' to save your settings and connect to the SignagePro Server.

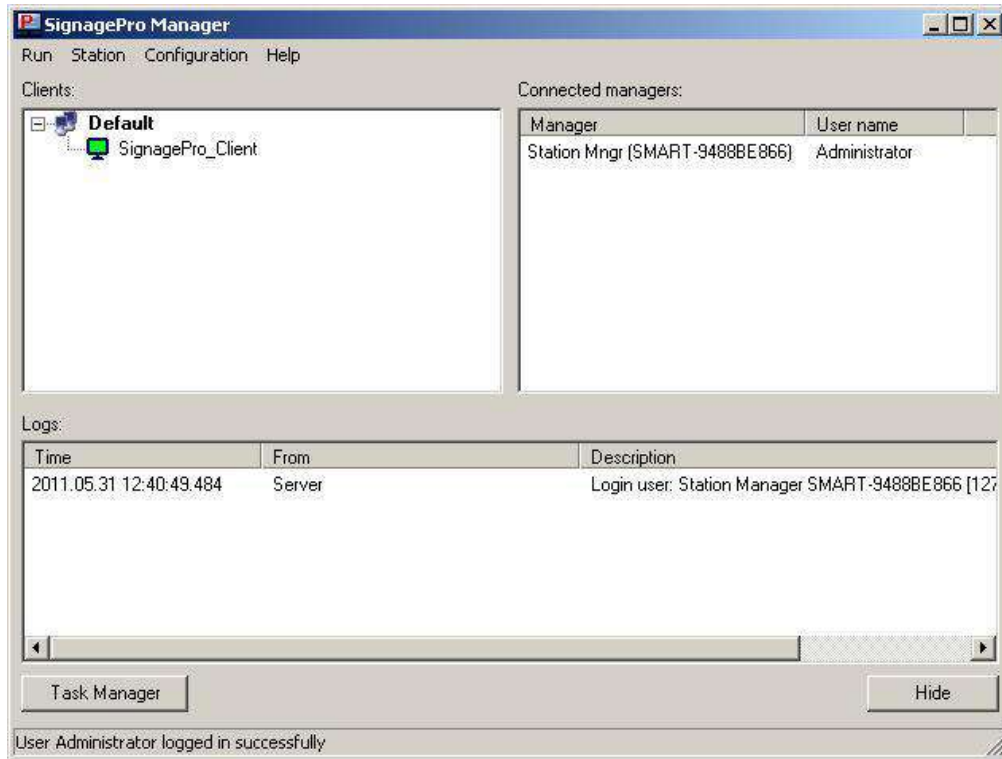4. Once you are connected, open the SignagePro Server Manager. You will see the Client. (*Figure 4.9*)

Figure 4.9

5. Adding your company logo

One of the major functions of digital signage is to get your message out and to increase your brand recognition. One of the most important aspects of your brand is your logo. Combining your logo with informative content is one of the best ways to do this.

Each logo on the SignagePro server consists of two files; an image file and a text file. The text file describes the placement of the logo and adds a time and date.

To enable your logo please do the following;

1. If you haven't done so already, create an image file of your company logo. SignagePro support the following image formats; .png, .jpg and .gif.
2. Create a text file using notepad (or comparable text editor) and insert the fields from *Tables 5.2* and *5.3*. See *Table 5.1* for format examples.

SAMPLE .SLOGO FILE WITHOUT CLOCK	FUNCTION
picture = logoname.png origin = bottom left offset_x = 10 offset_y = 10	picture = logoname.png origin = bottom left offset_x = 10 offset_y = 10 text = %H:%M:%S text_x = 0 text_y = 37 text_face = Arial text_size = 16 text_color = #000000 text_slant = normal text_weight = normal

Table 5.1

3. Save the file using the file name you used for your logo and .slogo as the extension. Example= logoname.slogo
4. Copy the image file and the .slogo file onto your USB flash drive.
5. Insert the USB flash drive containing your logo image file and the .slogo file into the SignagePro client.
6. Run the configuration tool by pressing ALT+CTRL+2.
7. Select the 'Logo" tab.
8. Select logo in dialog box and click 'Ok'
9. You can install more logos from USB flash disk pressing "Install from USB" button".

The following table describes the different fields in the .slogo file and their meaning.

FIELD	VALUES
Picture	Should specify PNG file that will be used as background for logo. If PNG have alpha channel these areas will be transparent.
Origin	This field can be one of 4 possible values: ● bottom left ● bottom right ● top left ● top right This value defines the corner of the screen from which offset value is taken.
offset_y	This is length of "Y" coordinate between origin point and logo's closest point to origin.
text	This is text that will be displayed on logo. Ordinary characters displayed without conversion. Conversion specifications are introduced by a character '%' see next table.
text_x	'X' coordinate of text inside of logo
text_y	'Y' coordinate of text inside of logo
text_face	Font name
text_size	Font size
text_color	Font color in HTML format (example: #000000)
text_slant	Text slant (normal, italic)
text_weight	Text weight (bold, normal)

Table 5.2

You have the option of adding time and date to your logo by adding one of the following fields to your .slogo file. (**Table 5.3**) *See example* (**Table 5.1**)

CHARACTER	DISPLAY VALUE
%a	The abbreviated weekday name according to the current locale.
%A	The full weekday name according to the current locale.
%b	The abbreviated month name according to the current locale.
%B	The full month name according to the current locale.
%c	The preferred date and time representation for the current locale.
%C	The century number (year/100) as a 2-digit integer. (SU)
%d	The day of the month as a decimal number (range 01 to 31).
%D	Equivalent to %m/%d/%y.
%e	Like %d, the day of the month as a decimal number, but a leading zero is replaced by a space.
%F	Equivalent to %Y-%m-%d (the ISO 8601 date format). (C99)
%G	The ISO 8601 year with century as a decimal number. The 4-digit year corresponding to the ISO week number (see %V). This has the same format and value as %y, except that if the ISO week number belongs to the previous or next year, that year is used instead. (TZ)
%g	Like %G, but without century, i.e., with a 2-digit year (00-99). (TZ)
%h	Equivalent to %b. (SU)
%H	The hour as a decimal number using a 24-hour clock (range 00 to 23).
%I	The hour as a decimal number using a 12-hour clock (range 01 to 12).
%j	The day of the year as a decimal number (range 001 to 366).
%k	The hour (24-hour clock) as a decimal number (range 0 to 23); single digits are preceded by a blank. (See also %H.) (TZ)

%I	The hour (12-hour clock) as a decimal number (range 1 to 12); single digits are preceded by a blank. (See also %I.) (TZ)
%m	The month as a decimal number (range 01 to 12).
%M	The minute as a decimal number (range 00 to 59).
%n	A new line character. (SU)
%O	Modifier: use alternative format, see below. (SU)
%p	Either AM or PM according to the given time value, or the corresponding strings for the current locale. Noon is treated as pm and midnight as am.
%P	Like %p but in lowercase: am or pm or a corresponding string for the current locale. (GNU)
%r	The time in a.m. or p.m. notation. In the POSIX locale this is equivalent to %I:%M:%S %p. (SU)
%R	The time in 24-hour notation (%H: %M). (SU) For a version including the seconds, see %T below.
%s	The number of seconds since the Epoch, i.e., since 1970-01-01 00:00:00 UTC. (TZ)
%S	The second as a decimal number (range 00 to 60). (The range is up to 60 to allow for occasional leap seconds.)
%t	A tab character. (SU)
%T	The time in 24-hour notation (%H: %M: %S). (SU)
%u	The day of the week as a decimal, range 1 to 7, Monday being 1. See also %w. (SU)
%U	The week number of the current year as a decimal number, range 00 to 53, is starting with the first Sunday as the first day of week 01. See also %V and %W.
%V	The ISO 8601:1988 week number of the current year as a decimal number, range 01 to 53, where week 1 is the first week that has at least 4 days in the current year, and with Monday as the first day of the week. See also %U and %W. (SU)
%w	The day of the week as a decimal, range 0 to 6, Sunday being 0. See also %u.
%W	The week number of the current year as a decimal number, range 00 to 53, is starting with the first Monday as the first day of week 01.
%x	The preferred date representation for the current locale without the time.
%X	The preferred time representation for the current locale without the date.
%y	The year as a decimal number without a century (range 00 to 99).
%Y	The year as a decimal number including the century.
%z	The time-zone as hour offset from GMT. Required to emit RFC 822-conformant dates (using "%a, %d %b %Y %H: %M: %S %z"). (GNU)
%Z	The time zone or name or abbreviation.
%+	The date and time in date (1) format. (TZ)
%%	A literal % character.

Table 5.3

To uninstall a logo, select the logo you wish to uninstall and select the 'Uninstall' button.

6. Updating the SignagePro Client

In an effort to produce the best digital signage system on the market, we will continue to make upgrades to our products. Starting from version v0.7.5, you can now update the client directly from the SignagePro server.

To update to the newest version of the SignagePro client, you will need to do the following;

1. Unpack the SignagePro update file onto your server.
2. In Task manager create "Update" task and point to update.img as the task data. (*Figure 6.1)*
   Important: update.inf should be placed in the same directory as flash.img or the update will not work.
3. In Task manager, create a new schedule and add the update task you created in Step 2. (*Figure 6.2*)
4. Right-Click the schedule and select 'Start' to run the update.
5. After updating, the SignagePro client will reboot automatically.
6. You may need to reconfigure client settings again.

IMPORTANT: During the update, the background on the SignagePro client will become RED.
DO NOT TURN OFF OR UNPLUG THE CLIENT during this operation. If you do so, the SignagePro client will no longer operate and you will need contact customer support for a new system file.
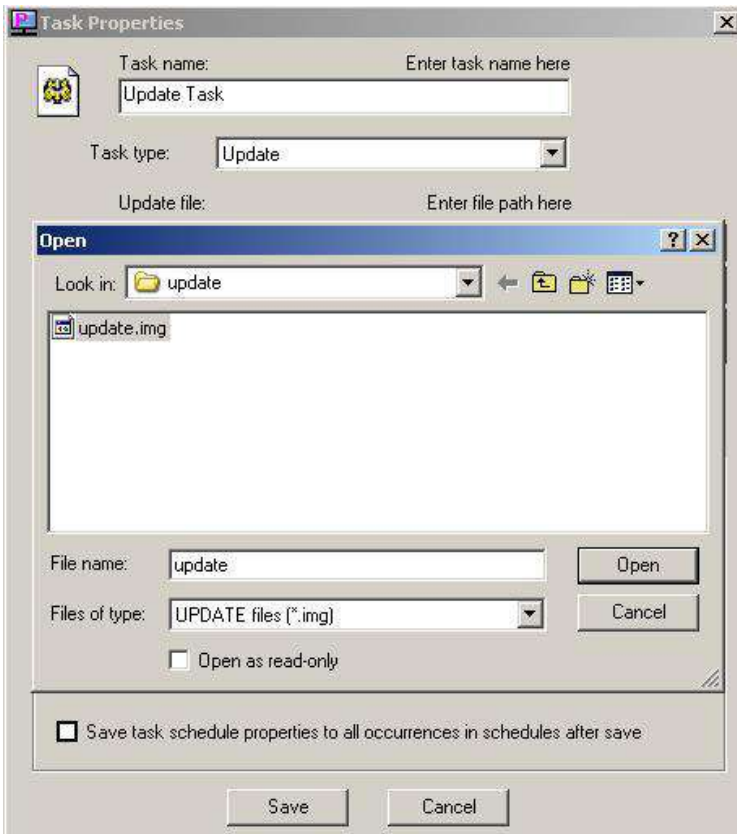
Figure 6.1
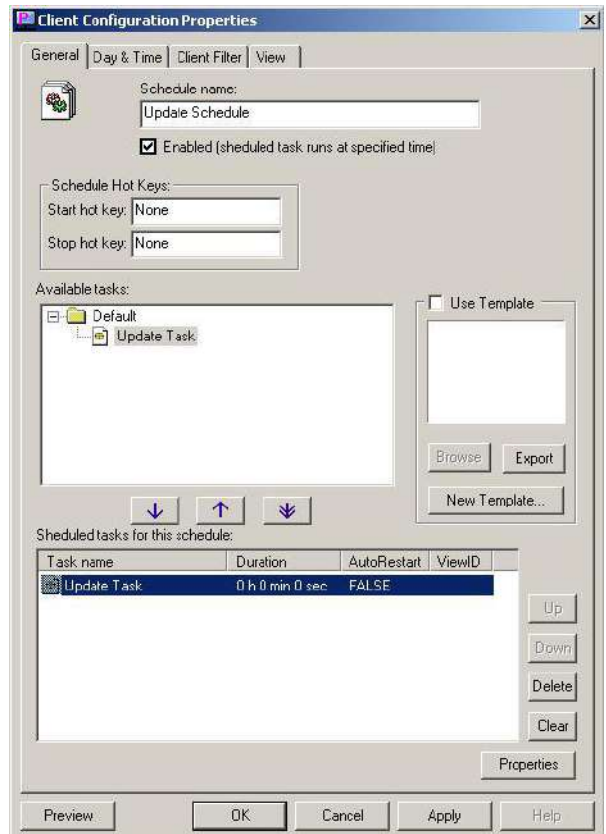
Figure 6.2

Section 2 Using the SignagePro Server Software

7. Running SignagePro Server Software for the first time

1. Double click on the SignagePro Server Station Manager icon either on your desktop or start menu.
2. You will first be prompted with a 'Server Logon settings' dialog box. The default IP address is 127.0.0.1. In the user name and password fields use the new Administrator user and password you created in the installation process and click 'OK'. (***Figure 7.1***)
3. Once the SignagePro Server Station Manager is loaded. You will see the following;
   a. Connected SignagePro clients
   b. Loopback IP. (127.0.0.1)
   c. Your user name and password. Click Save Password to stay logged in. (***Figure 7.2***)

Figure 7.1
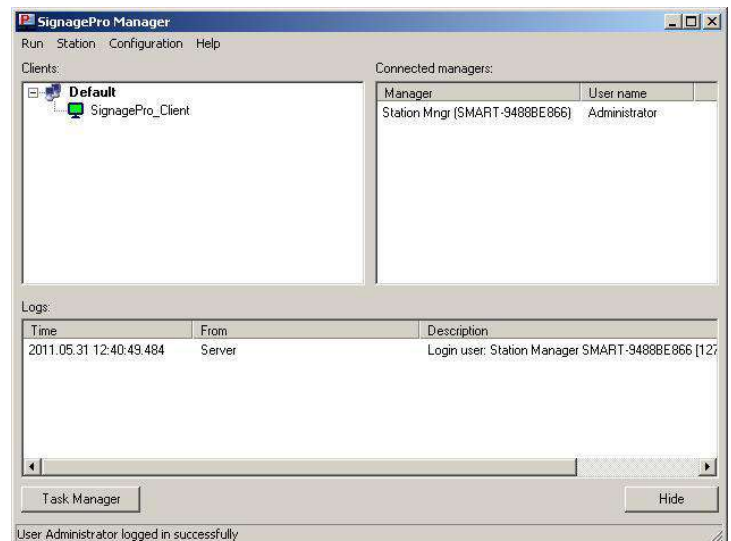
Figure 7.2

7.1 Firewall

SignagePro uses the TCP/IP suite to communicate between the server and client, proper settings of your firewall and routers will be needed.

After the installation of SignagePro Manager, and the initial start of the software, you will be asked to by the windows firewall to unblock, or keep blocking SignagePro Manager. You want to make sure you unblock it. (*Figure 7.1.1*)

The port used for communication is '13325' UDP and TCP. This will be used when forwarding ports in your router, when using SignagePro via WAN.

Figure 7.1.1

7.2 User Manager

Our user manager now allows SignagePro users to manage and control their own user database. Windows logins are no longer required. Each user created is allowed a set of permissions.

The user rights are described as followed:

- **Administrator**: Full access to everything, only user that is able to create and manage users.
- **Task Manager**: Allowed to access and control the task manager and selectable clients assigned by the administrator.
- **Station Manager**: allowed to access and control the station manager.
- **Client**: used for the SignagePro clients to connect to the signage server only.

During the installation, you will be asked to create the administrator password. If you click 'Cancel', you will be assigned default usernames and passwords. (***Figure 7.2.1***)

To have different users log in, always click on 'Configuration' then 'Login server.' Click 'Save Password' while logged in. To log out, uncheck 'Save Password'. (***Figure 7.2.2***)

Figure 7.2.1
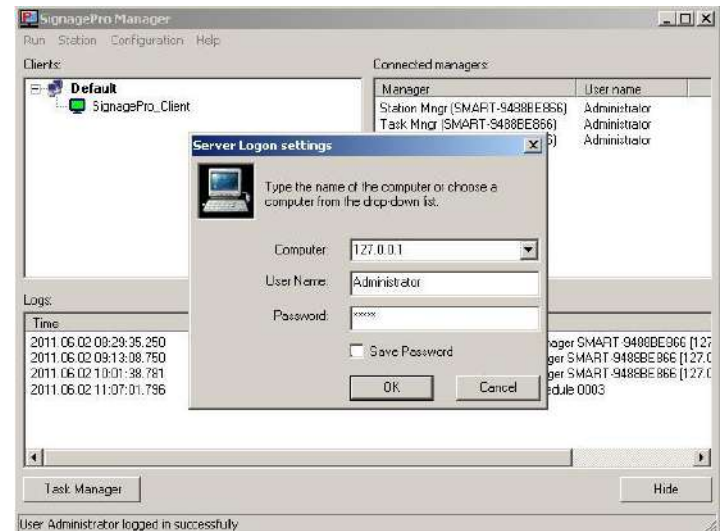
Figure 7.2.2

After you log into the SignagePro manager, you can create new users by clicking 'Run,' then clicking on 'User Manager' (***Figure 7.2.3***)

To create a new user, right click or click on 'User' then 'New User.' The user properties window will open. Here is where you enter in your new user information (***Figure 7.2.4***):

- **User name**: The name of the new user.
- **Full name**: The real name of the user.
- **Description**: The description of the user.
- **Password**: The password for that user.
- **User rights**: Select the rights you want this user to have.
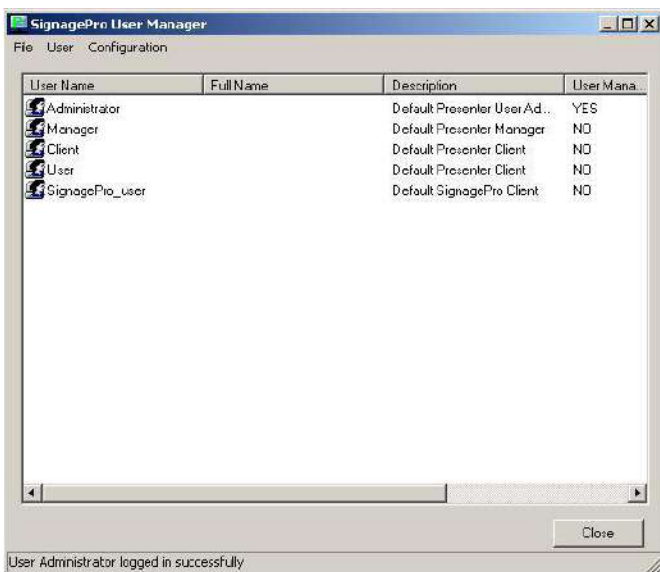
Figure 7.2.3

Figure 7.2.4

Click 'Save'. You will then see the new user in the list. (***Figure 7.2.3***)

8. Task Manager

The main feature of SignagePro is the Task Manager. This is where you set up and manage all of your presentations.

To open the Task Manager:

    • Select Run then click on the Task Manager. (*Figure 8.1*)
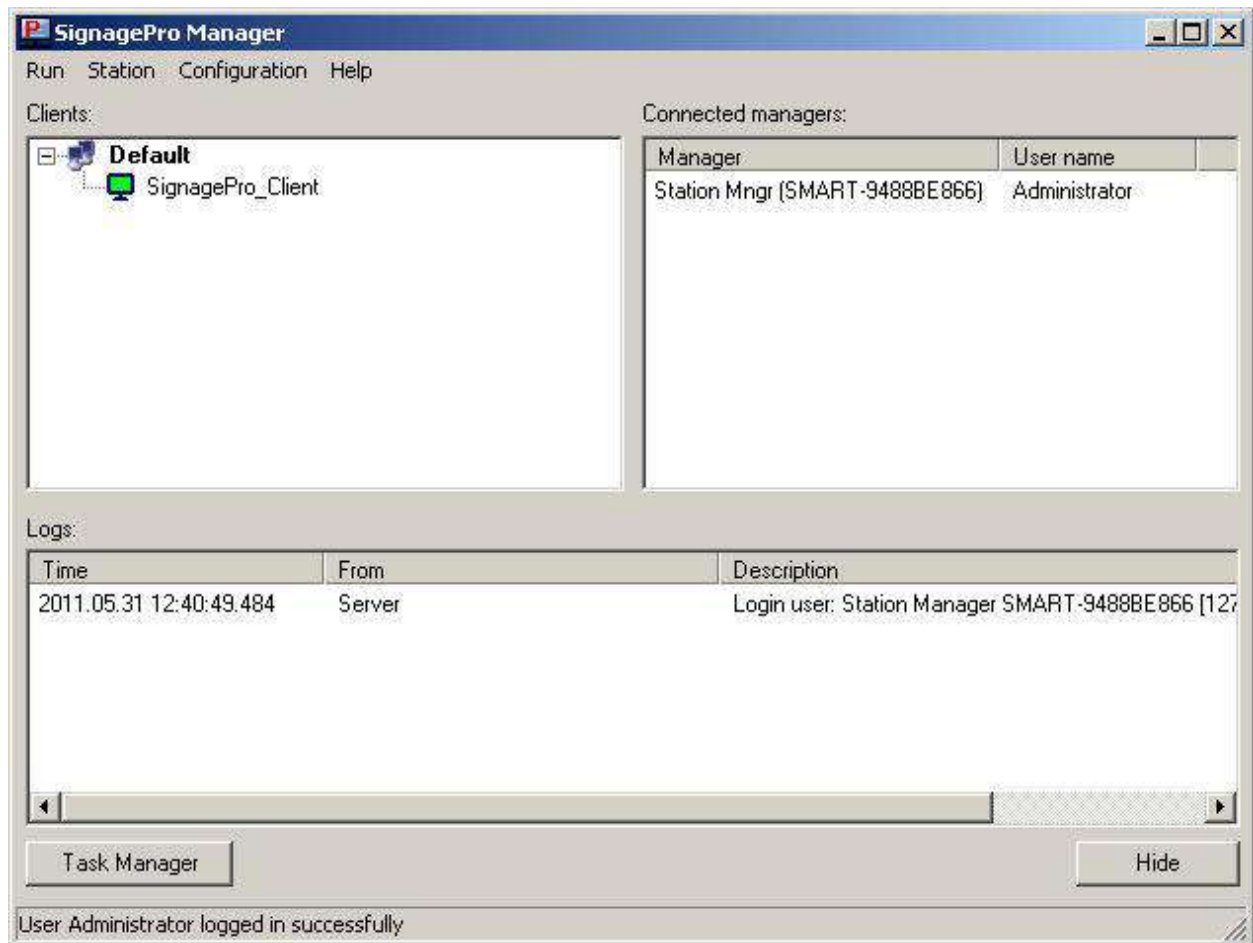
Figure 8.1

Once you are in the Task Manager you can begin setting up your presentations.

Tasks: are individual presentations such as movies, PowerPoint presentations or Flash files; in order to run a Task it must be placed into a schedule.

Schedules: are used to schedule a Task or a series of Tasks to run together at a specific time and day.

Setting up Tasks: In the Task menu option, you can create, delete, and view the properties of all the files you wish to run on SignagePro.
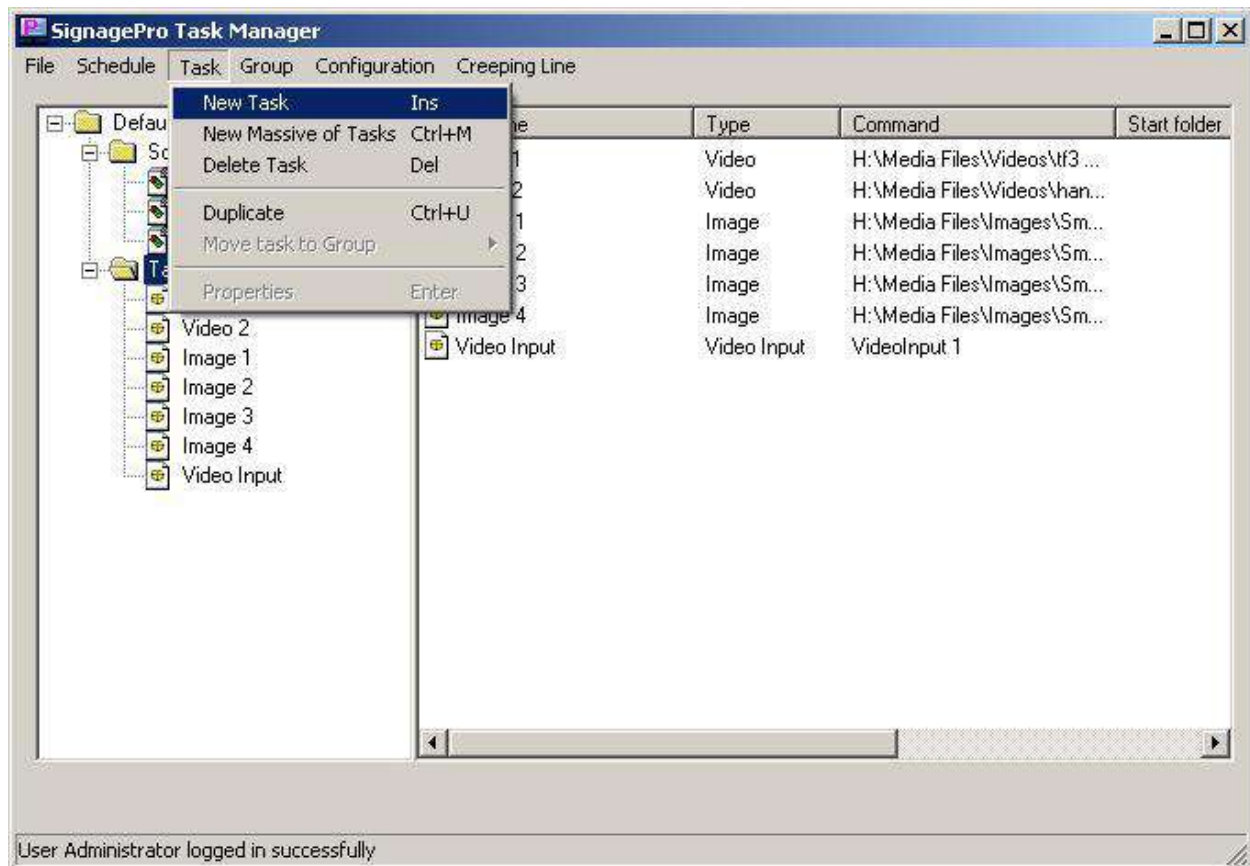
Figure 8.2

To create a new task:
1. Select Task and select 'New Task'. (***Figure 8.2***)
2. Select the type of file you are going to use. (***Figure 8.3***) You can select from a wide variety of file types such as Creeping lines (marquis text), Web Pages, PowerPoint, Video, PDF, Images and more)
3. Select the file located on your hard drive (***Figure 8.4***) Once the task has been added, you can configure the following properties;
   a. **The duration of the task** (setting the duration to 0:0:0 will cause the program to run indefinitely.
   b. **Operation on End of Task**,
      i. Here you can set what will happen upon completion of the Task if it is included in a schedule.
      ii. **Run Next Task** will open up the next task in the schedule upon completion.
      iii. **Restart Current Task** will cause the task to repeat itself.

Note: You can override these configurations in the 'Schedule' menu. (Part 9)
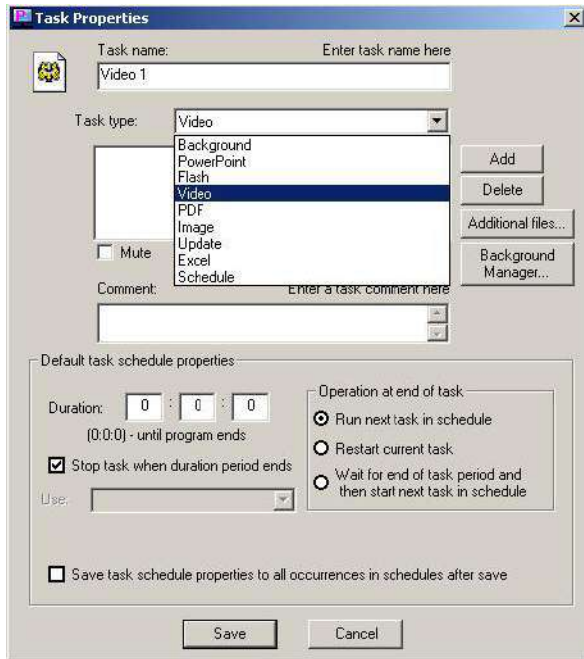
Figure 8.3
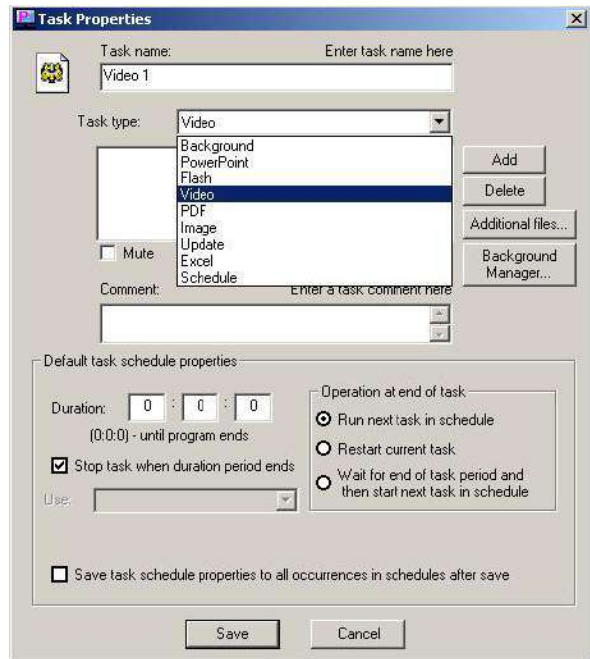
Figure 8.4

Creating Schedules

A schedule is where you combine all of the different tasks that you've created in step 8 and put them into one place. From here you create the programming schedule. You can select a variety of task to run at specific times, run once, or loop continuously. If you use the template feature (described in step 10) you will select which tasks will run in which window.

Schedules can be as complex or as simple as you like. You can control hundreds of tasks to run at specific times or simply have one or two tasks set to loop continuously.

9. Creating and working with schedules

1. In the Task Manager select 'Schedule' and click 'New Schedule'. The Schedule Properties Dialog will appear. (***Figure 9.1***)
2. In the 'General' tab give your schedule a name. (optional)
3. Begin populating the schedule with various tasks. These tasks can be videos, images, web pages, PowerPoint Presentations, etc.
   a. To do this you must use your mouse to highlight one of the tasks you created in the previous step. (***Figure 9.2***)
   b. With the task highlighted click the arrow just to move the task into your schedule. (***Figure 9.2***)
   c. The task within the schedule will run in order starting from the task at the top of the list. You can arrange tasks by selecting them and using the up and down buttons.
   d. You also have the option of deleting the task from the schedule or clearing the schedule entirely.
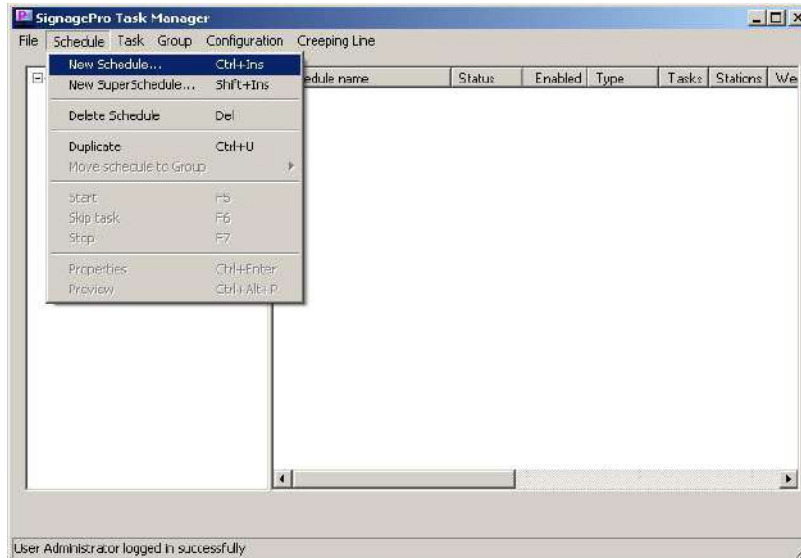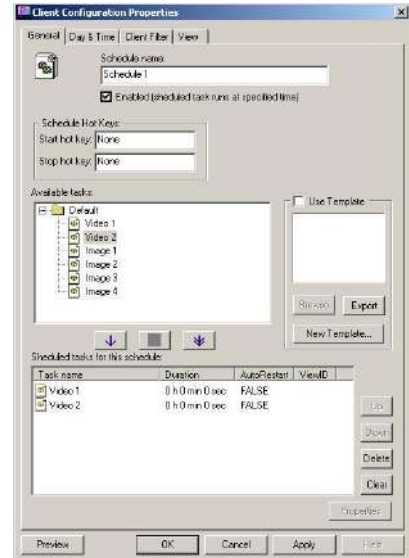
Figure 9.1   *Figure 9.2*

Once you have added your tasks to the schedule, you are ready to modify the tasks properties

Modifying Tasks within the Schedule

4. While in the 'Schedule Properties' dialog, double-click the task you wish to modify from the 'Scheduled Tasks' section. This brings up the 'Schedule Task Properties' dialog. From here you are given several options; (**Figure 9.3**)
   a. **Operation on end of task**
      i. **Run next task in schedule:** This option will run the next task that you've added to the schedule once the task has ended.
      ii. **Restart current task:** This will restart the current task once it has finished. Use this selection to loop your task indefinitely.
      iii. **Wait for end of task period and then start next task in schedule:** Use this Selection if you've set a specific duration for the task.
   b. **Duration:** Lets you configure how long you would like the task to be displayed on your screen. Setting this to 0:0:0 will automatically stop the task once it has ended. This is primarily used for video and flash movies.
   c. **Use View:** If you are using templates*, this control lets you select which view to display your task. (**Figure 9.4**)
   d. Click 'OK' to save your settings.

   More about templates in Part 10.

Figure 9.3   *Figure 9.4*

5. **Day and Time:** Use the 'Day and Time' tab to control when and for how long the schedule will play. The Day and Time dialog controls the following;
    a. Schedule start type: This feature selects how the schedule will operate. (***Figure 9.6***)
    b. **Run at user logon:** This will start the schedule as soon as the user is logged on.
    c. **Run once:** Select a specific time and date for the schedule to run. (***Figure 9.7***)
    d. **Run periodically:** Set the time and date for your schedule to play. This option allows you to alternately control a variety of schedules.
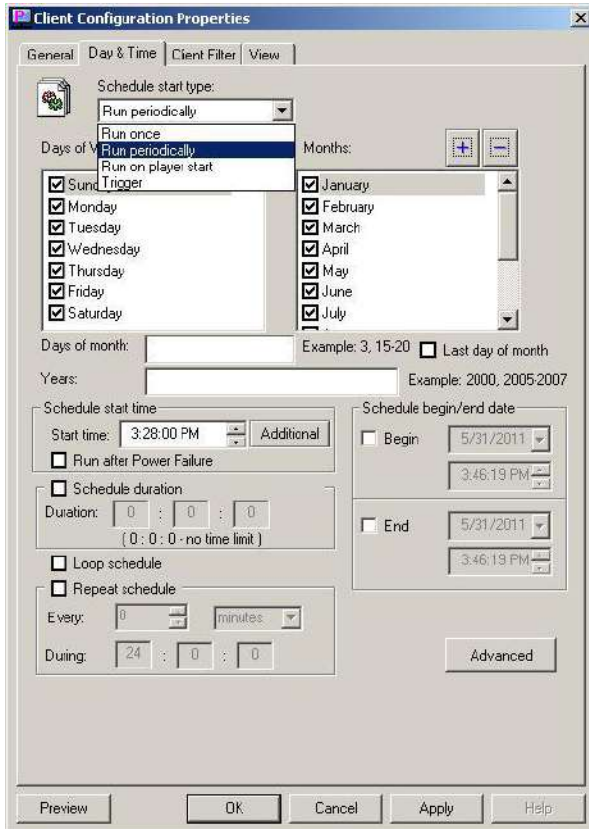
Figure 9.6

Figure 9.7

9.1 Super Schedules

Super Schedules were designed to allow multiple schedules to run in one, also allowing a drag and drop friendly user interface.

To use the Super Schedule, open up the Task Manager and then click on 'Schedule' then select 'New Super Schedule'.

1. In the Setup Schedule tab, this is where you will setup your multiple schedules. Click on 'Add'. In the window that opened you can name your schedule and select the duration. Then click 'Ok'. (***Figure 9.1.1***)
2. Select a schedule in the list, then with the media icon, drag and drop it into the blue box. A Task Properties window will appear just like the normal Task Properties. Browse for your media. Click 'Save'. You can now add more schedules to your Super Schedule. (***Figure 9.1.2***)
3. The Day & Time tab has the same functionality as the one in the normal Schedule. (Part 9)
4. The Client Filter tab will allow you to specify the clients that will download and run your Super Schedule.
5. The View tab must always remain checked on View 1.

Click 'Ok' and your new Super Schedule will be shown in the Schedule list.
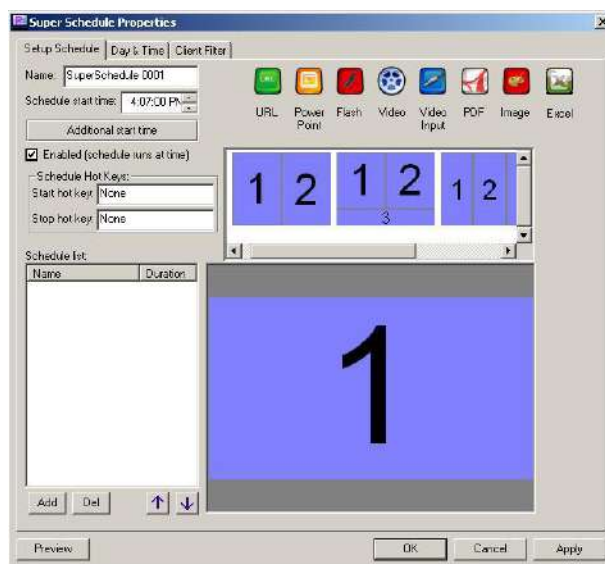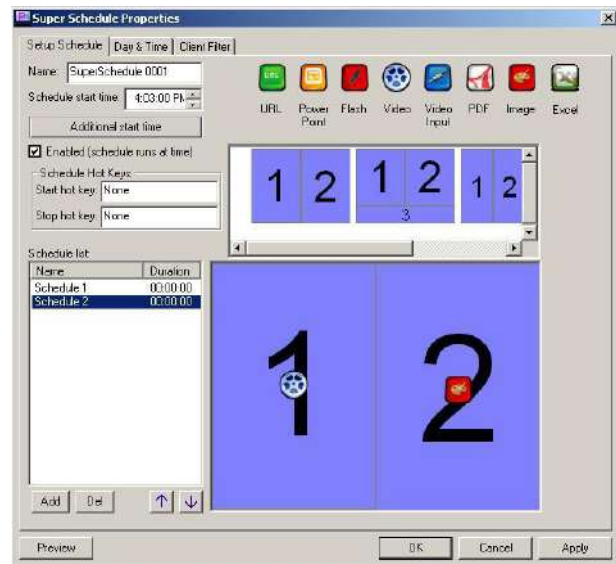
Figure 9.1.1   **Figure 9.1.2**

9.2 USB Schedule Support

SignagePro supports the usage of delivering media content to the client via USB thumb drive, for environments that do not have network support, or if the network is offline.

To use USB support;

Have a USB thumb drive with enough disk space that can store your schedule and tasks. Format the thumb drive so it has no other data on it.

Create a schedule and add the tasks that you want to play into that schedule.

Make sure in the schedule properties; you have the schedule 'Enabled'.

Under the Day & Time tab, check the settings you want, and the time you want your schedule to start. Apply your changes to the schedule properties.

Next, click on 'File' then 'Export schedule' in the Task Manager. In the next window, only check the schedules you want to be exported onto the USB thumb drive (**Figure 9.2.1**). Click 'Ok' and browse to the root of your thumb drive, give your exported schedule a name and click 'Save'. Wait until you see the progress of the transfer completely. (**Figure 9.2.2**)

Safely remove your USB thumb drive from your PC, bring it to your SignagePro Player, and insert the USB thumb drive into an available USB slot. Your schedule and tasks will then download onto the client automatically. Wait until your schedule starts to play (at the time your specified), you can then remove you USB thumb drive.
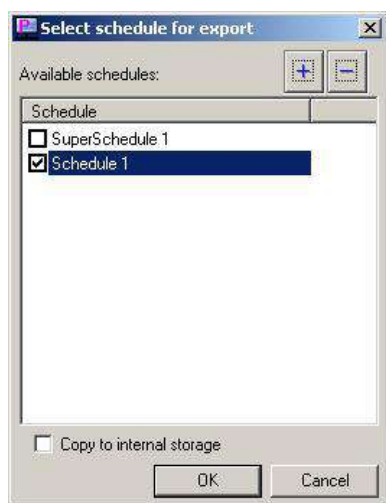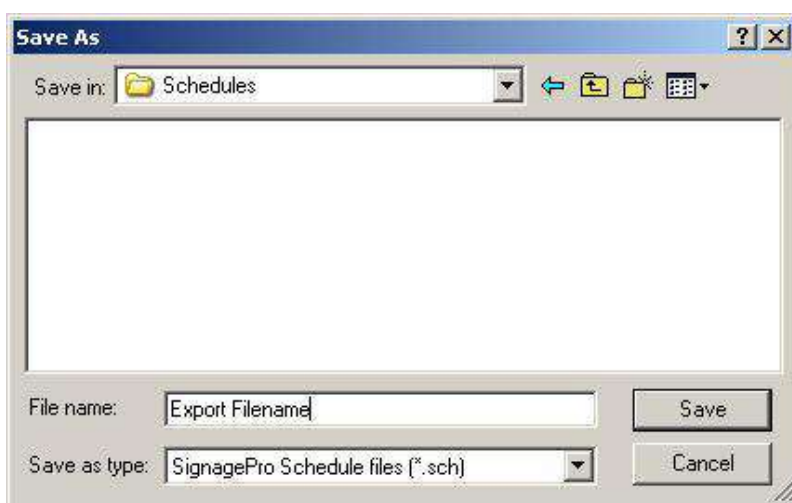
Figure 9.2.1   *Figure 9.2.2*

10. Template Creator

The Template creator is powerful feature of SignagePro. Templates allow users to create and assign regions. This gives you the ability to run several tasks simultaneously on one screen. The result is the integration of high-resolution graphics with dynamic video and scrolling text messages and news feeds.

To create a template and assign tasks:

1. Use your mouse to select the schedule you wish to use for your template.
2. From the schedule menu select "New Template…" (***Figure 10.1***)
3. Select the resolution of your client's display. (***Figure 10.2***)
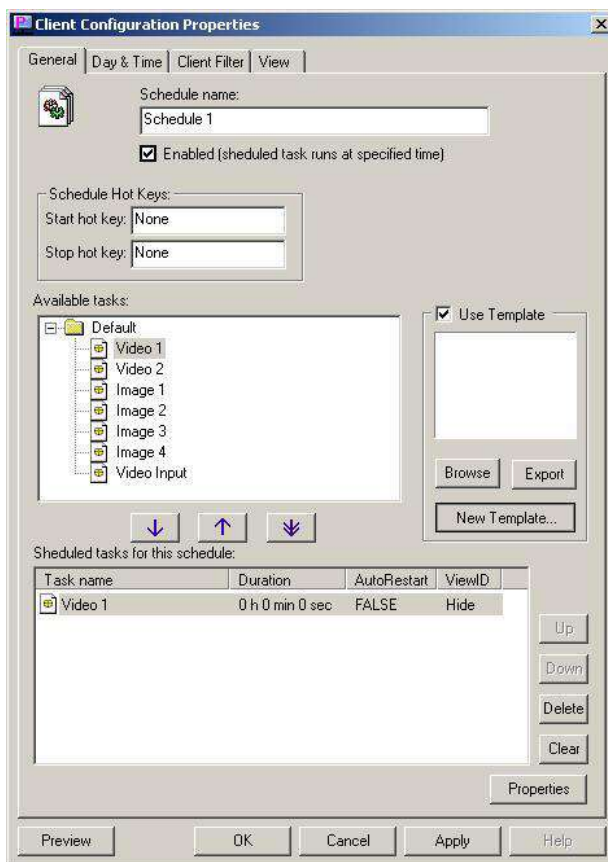
Figure 10.1
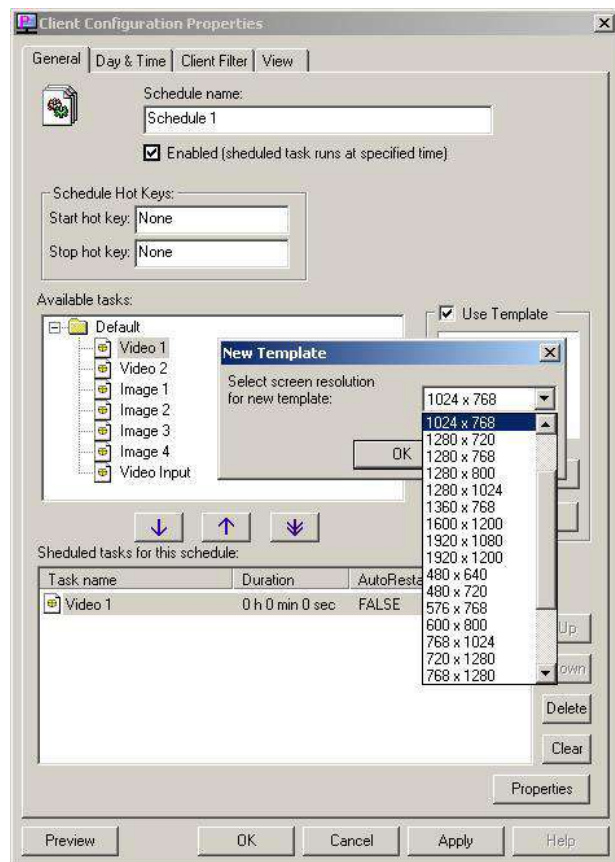
Figure 10.2

4. To create your first region click on the 'Add View' icon and drag your mouse across the white display editor. (*Figure 10.3*)
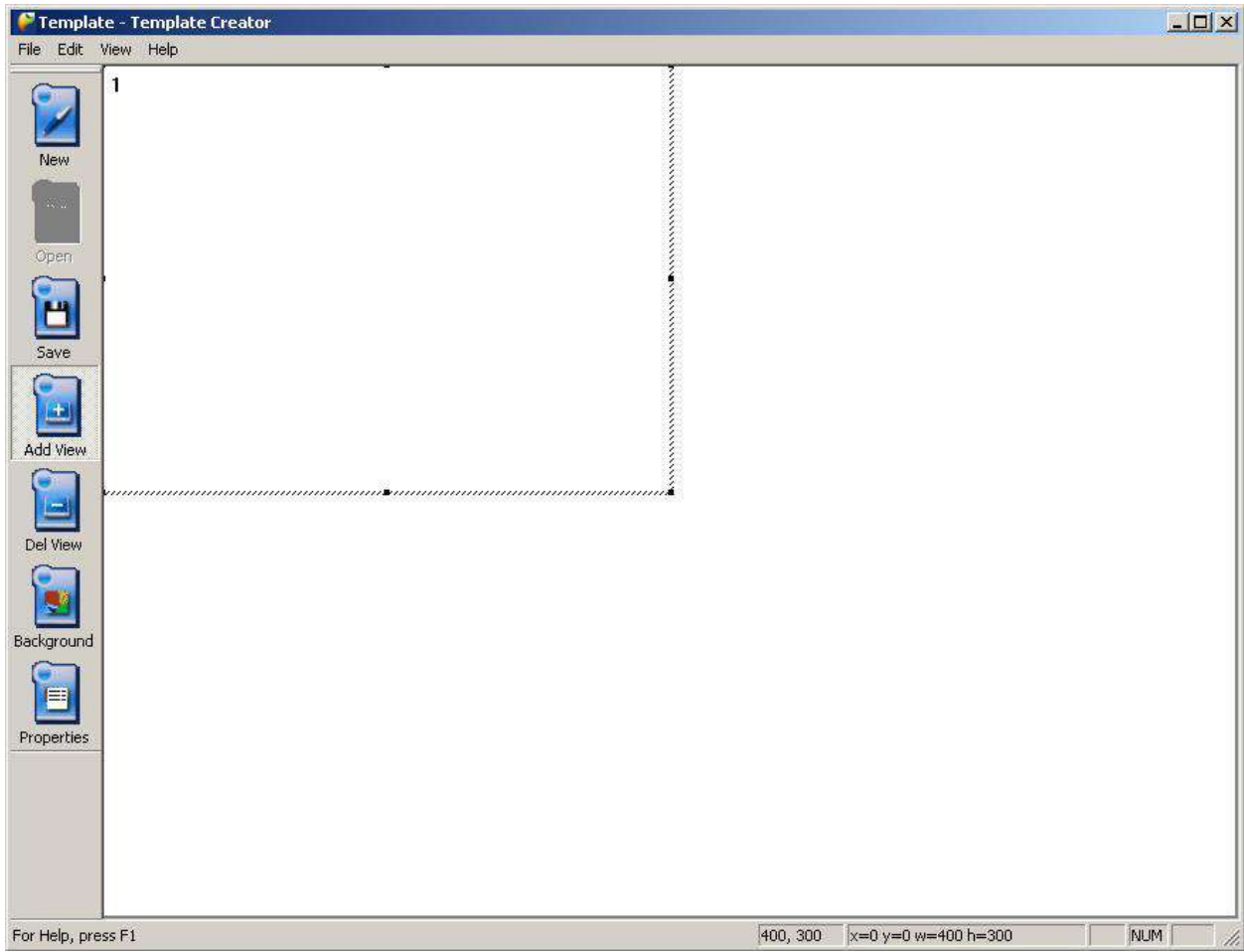
Figure 10.3

5. You may continue adding, deleting, resizing, and moving regions until you are satisfied. (*Figure 10.4*)
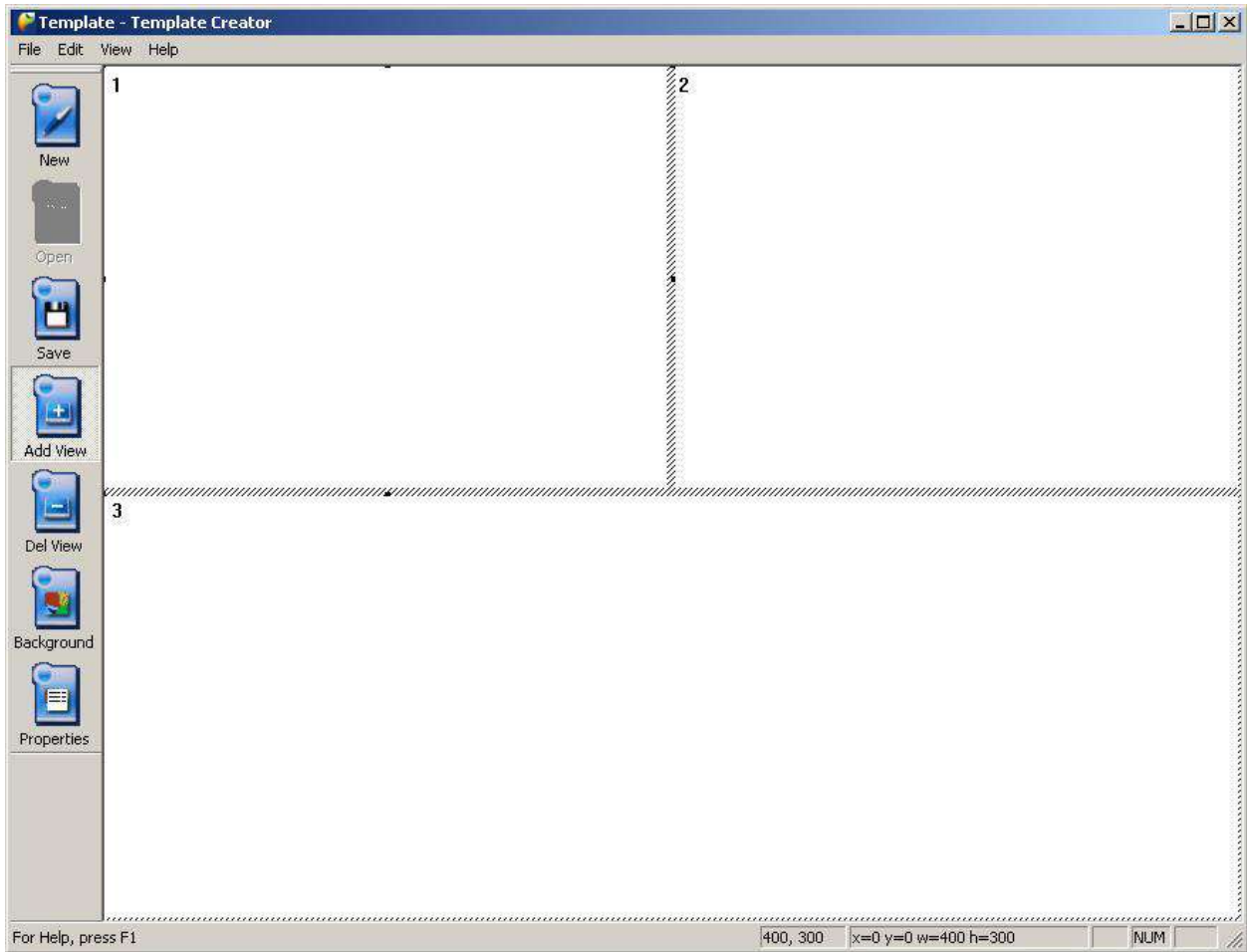
Figure 10.4

6. You can also assign a background image to your layout by clicking the 'Properties' icon and selecting an image from your hard drive. (***Figure 10.5***)
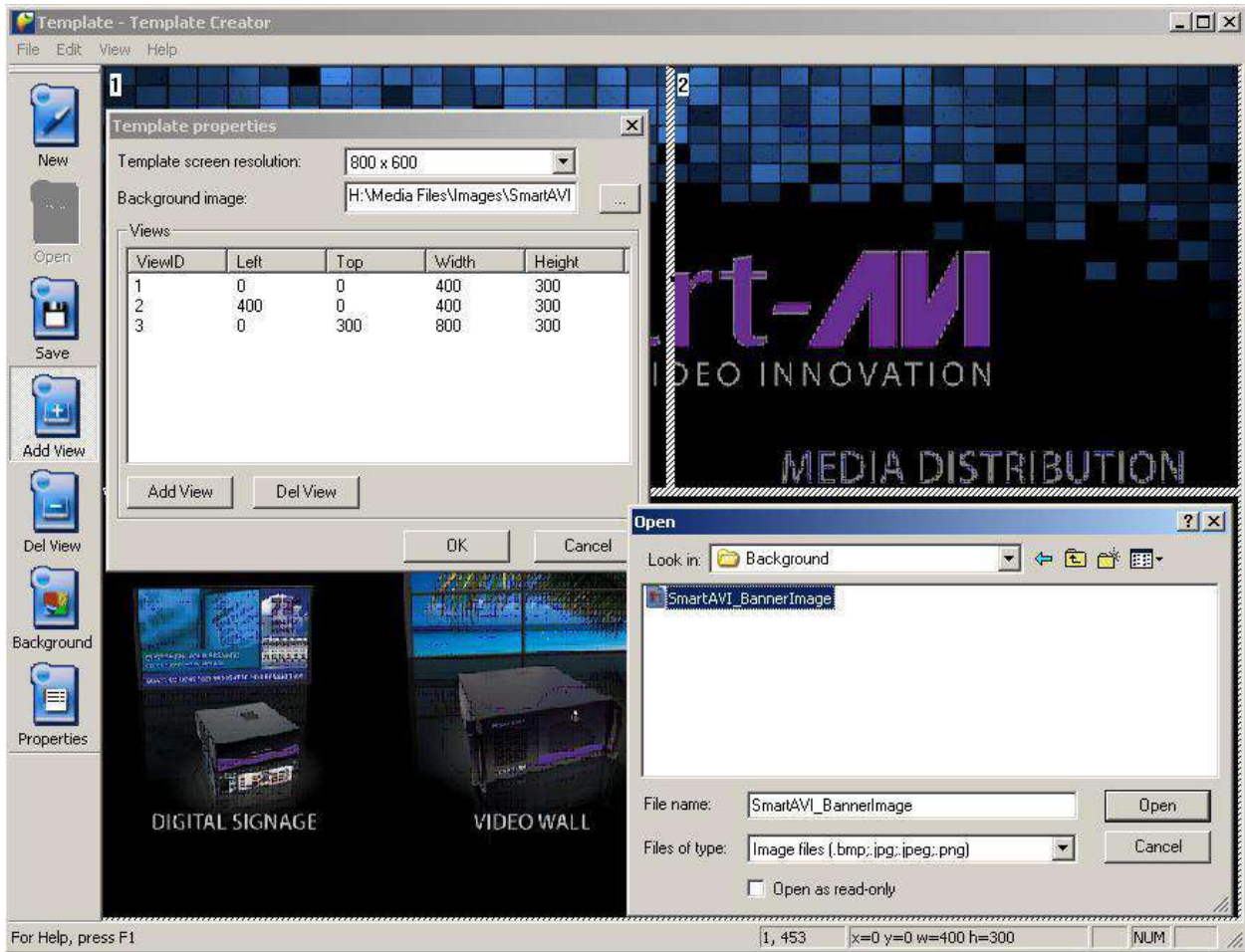
Figure 10.5

7. Once you are satisfied with your layout, save the template file on your computer hard drive. (***Figure 10.6***)
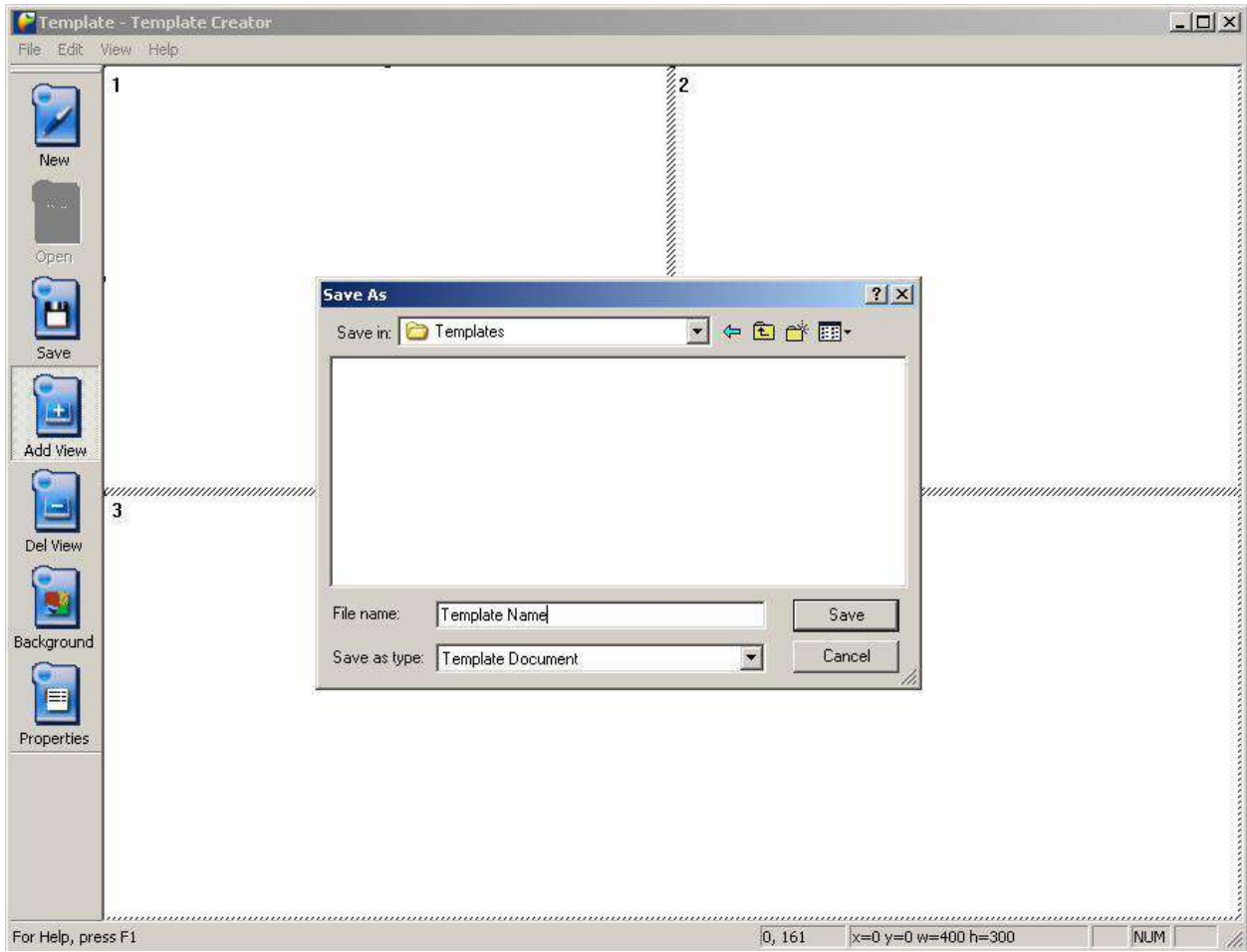
Figure 10.6

Now you are ready to assign views. This is where you select which task will be displayed into the different regions you've just created.

8. From the 'Schedule Properties' dialog double click on any of the tasks for this schedule. This will bring up the 'Schedule Task Properties' dialog. (*Figure 10.7*)
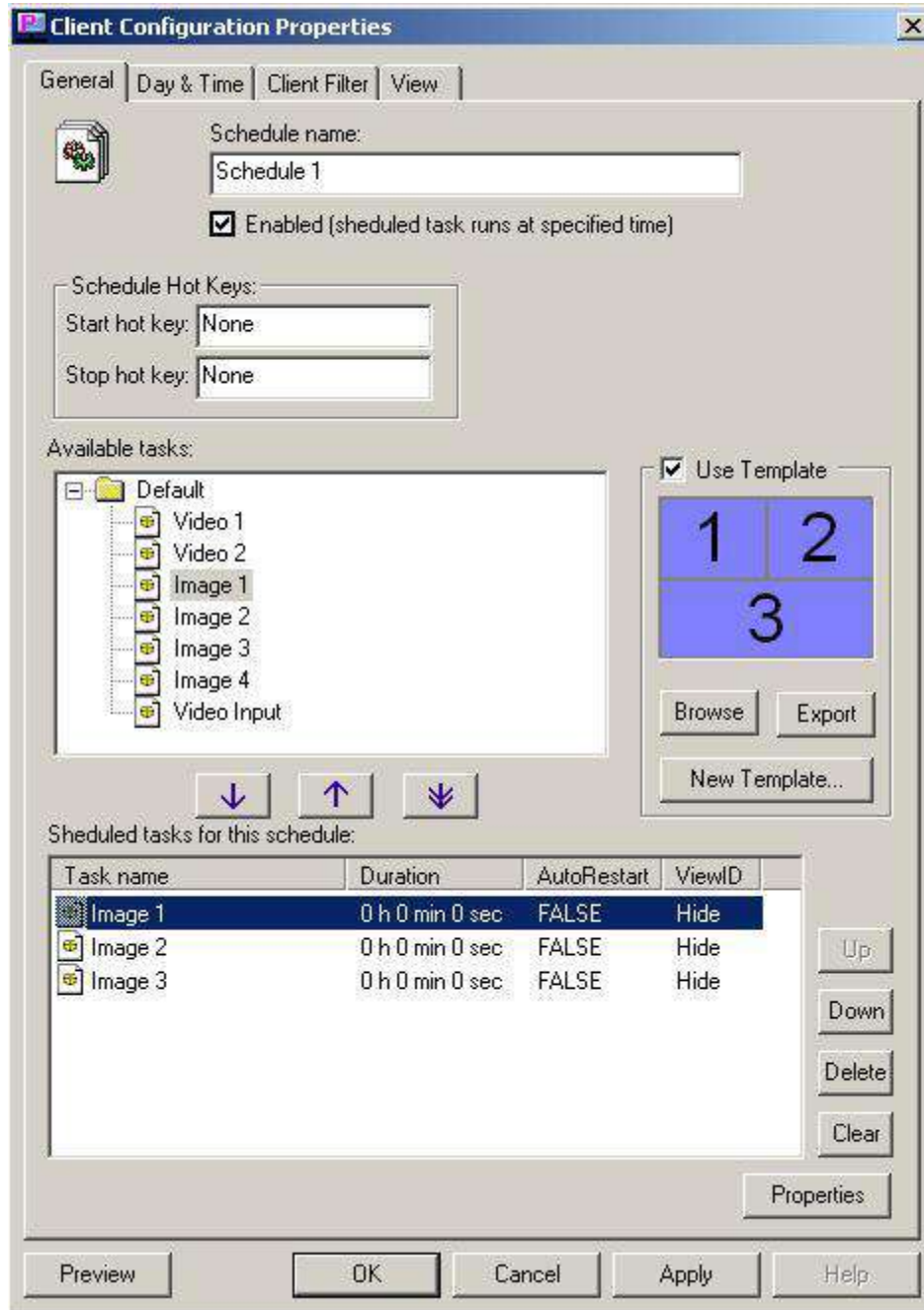
Figure 10.7

9. Select the view from the dropdown menu you where you would like the task displayed. Then click "ok" (**Figure 10.8**)
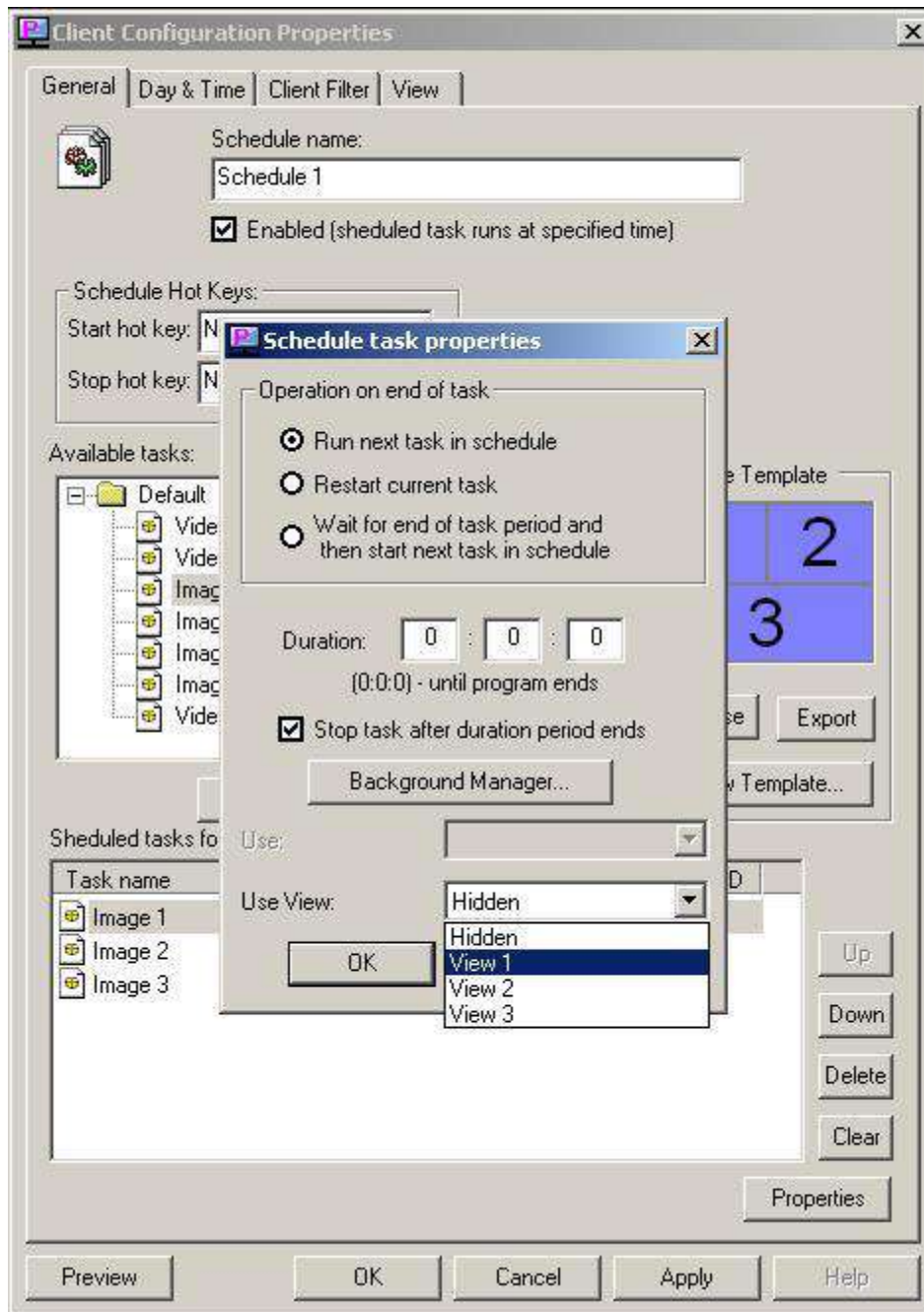
Figure 10.8

11. Creeping Line Editor

SignagePro Creeping Line Editor enables you to create a scrolling marquis anywhere on your screen. You can use RSS feeds, text from a file, or simply type text directly into the editor.

1. Opening the Creeping Line Editor.
   a. From the SignagePro Server Manager select 'Run' and click 'Creeping Line Editor' (*Figure 11.1*)
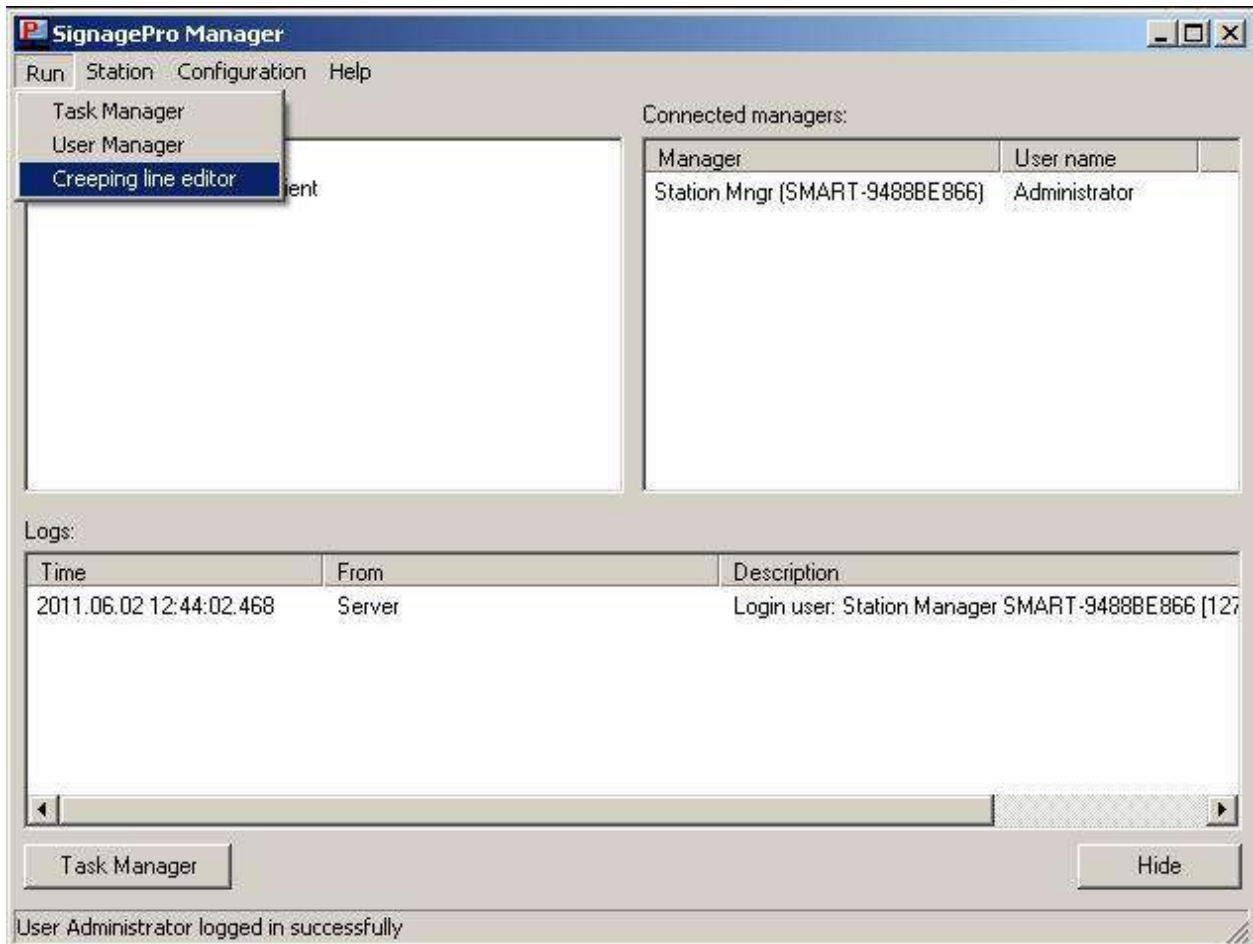
Figure 11.1

2. To create and edit scrolling text, select 'Options' and click 'Creeping line options' (*Figure 11.2*)
   a. In the 'General' tab Creeping Line Property Sheet you are given several options;
   b. Input text: Type your text directly into the editor. (Figure 11.3)
   c. Use RSS: Input the URL of the RSS feed of your choice. (Figure 11.4)
   d. Control the speed of your scrolling text.
   e. Preview the text directly on your desktop.

Figure 11.2
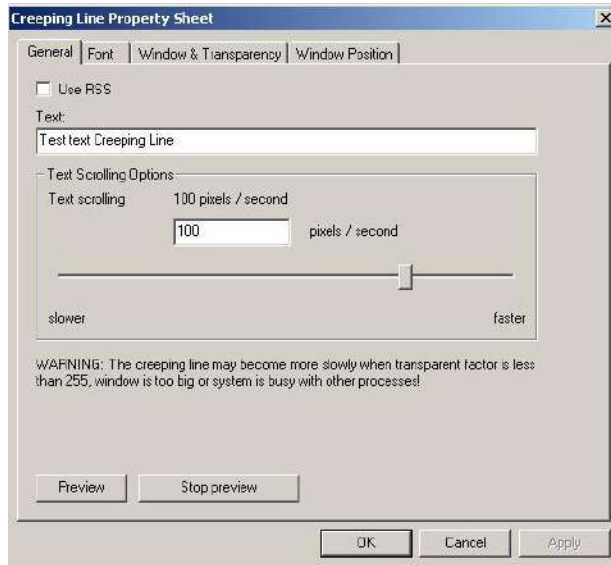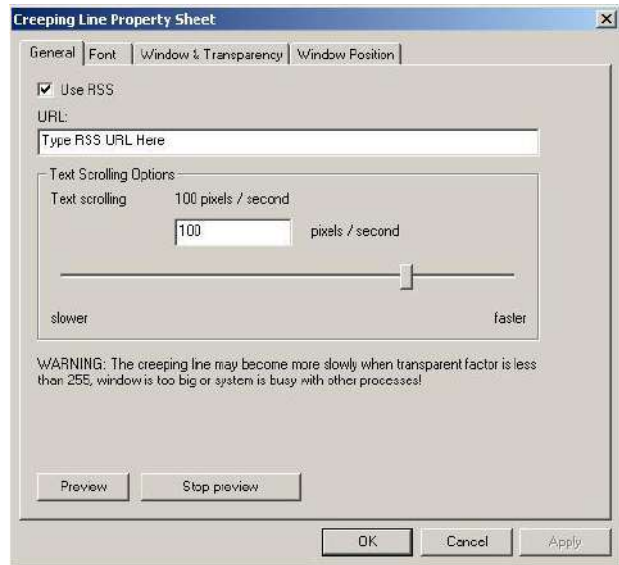
Figure 11.3   *Figure 11.4*

3. Customizing fonts
   a. Select the 'Font' tab to adjust the size, style and color of your font. (***Figure 11.5***)

Figure 11.5

4. Adjust window text and transparency. (***Figure 11.6)***
    a. In the Text Window and Transparency dialog box you are given several adjustment options.
        i. Background Color
        ii. Window Border:
            - Transparency
            - Transparent Color
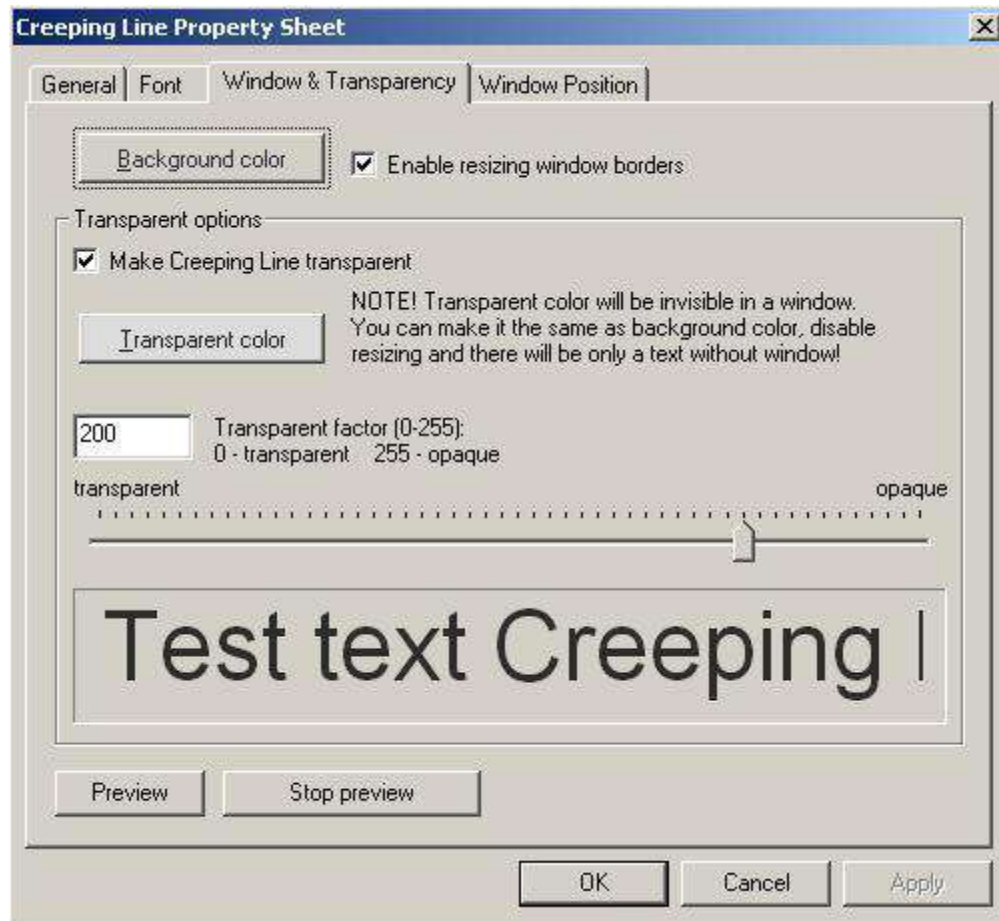
Figure 11.6

5. Set the position of your creeping text.
   a. The Window Position dialog lets you decide where you would like the scrolling text to appear on your screen.
      i. You have the option of either docking your window to the top or bottom of your screen. (***Figure 11.7***)
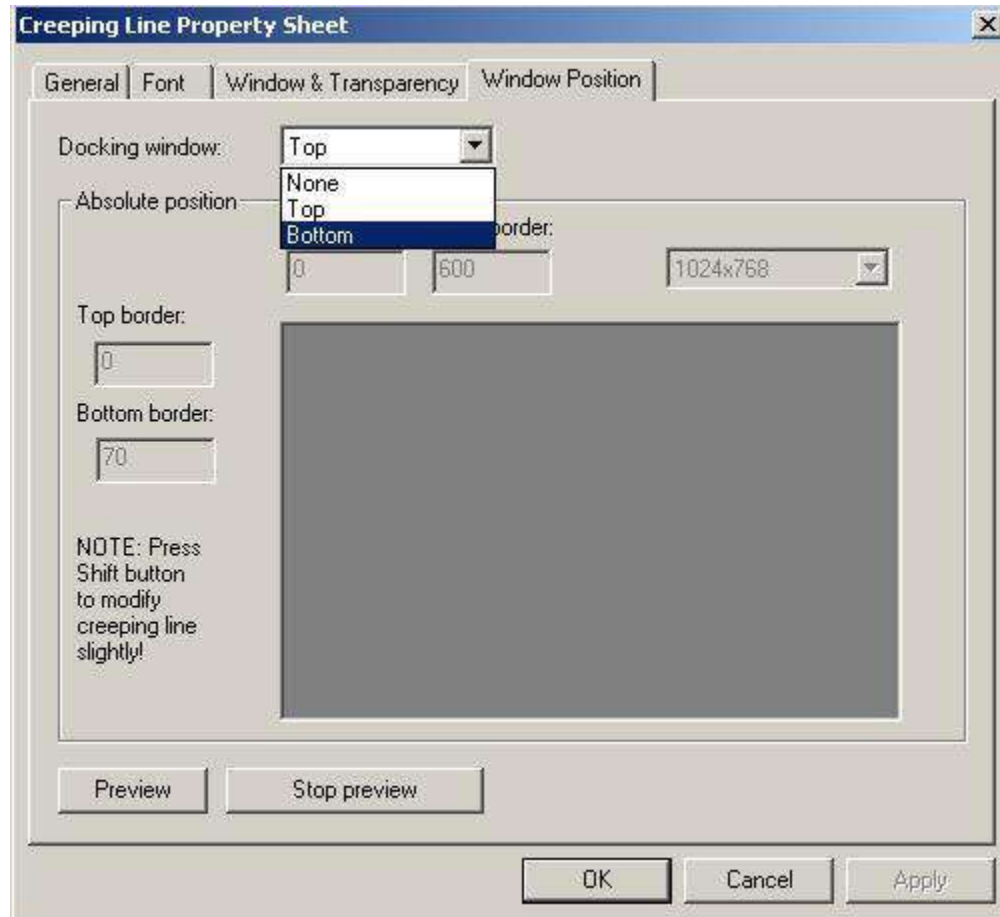
Figure 11.7

Note: You can preview your changes anytime by clicking the 'Preview' button.

6. Save your changes.
   a. To accept your changes click the 'OK' button on your Creeping Line Property Sheet.
   b. To save your work select 'File' and click either 'Save' or 'Save As' from the section menu. (***Figure 11.8***)
   c. Name your file and save on your hard drive.
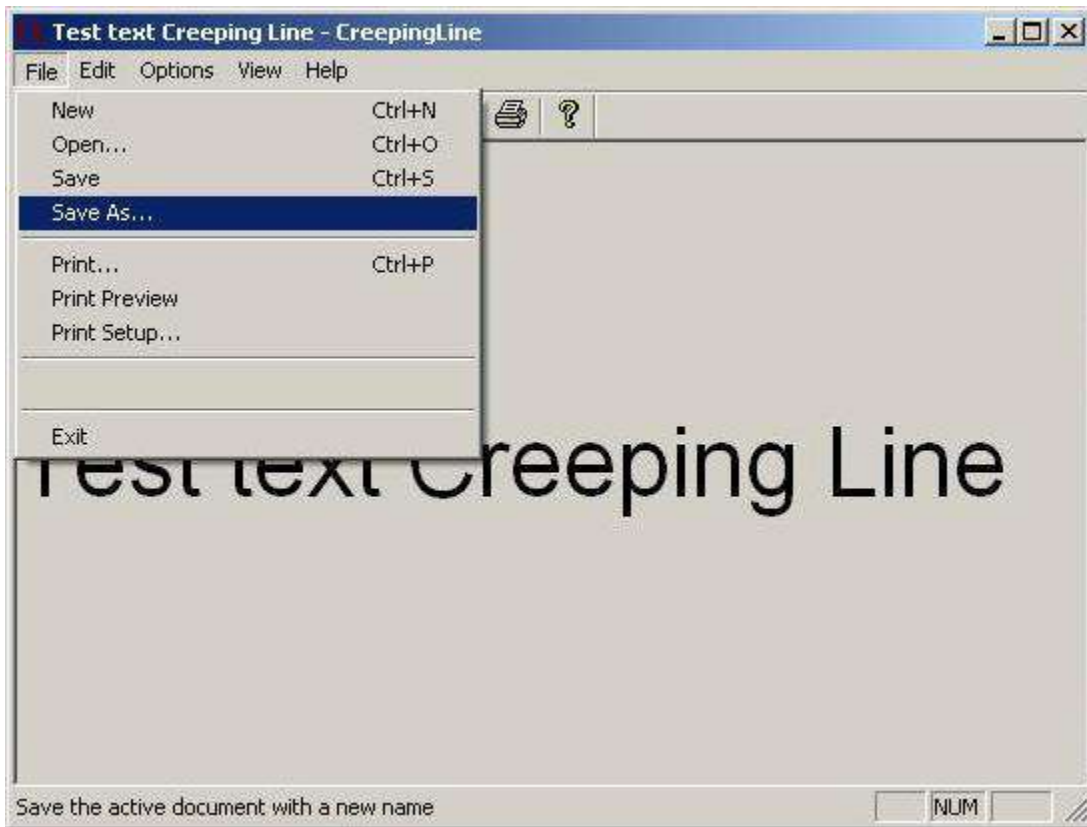
Figure 11.8

The new Creeping Line Manager allows SignagePro users to add multiple Creeping Lines in Tasks rather than in a Schedule. You can now add multi Creeping Lines into specific Tasks.

To add Creeping Lines into a Task:

1. Click on the Task Properties of the Task you want to add the Creeping Line into.
2. Click on the button that is labeled 'Background Manager' (*Figure 11.10*)
3. In the Creeping Line Manager, you can add existing Creeping Lines or create new ones. To create a new one, click on 'Edit'. To add existing Creeping Lines, click on 'Add' and browse for your file. (*Figure 11.11*)
4. You can add more than one Creeping Line in each task. To stop a previous Creeping Line in a different Task that is running in one Schedule, click on 'Stop previous Background.'
5. 'Enable Background documents below:' must be checked for the Creeping Lines to play.
6. You can change the Creeping Lines in Tasks that are already placed in Schedules by going to your Task properties via the Schedule Properties.
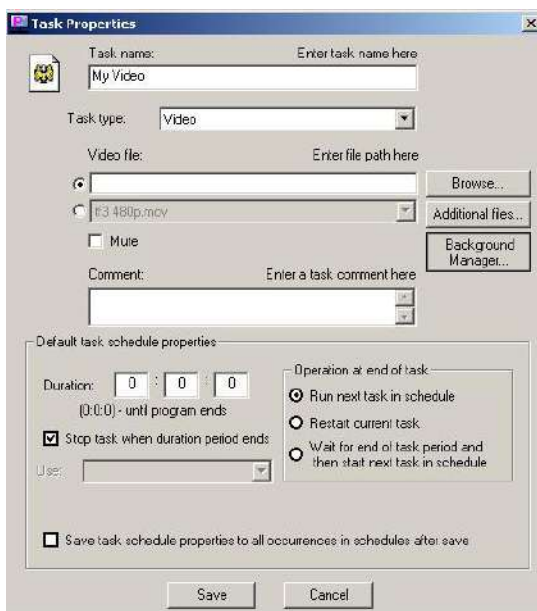
Figure 11.10
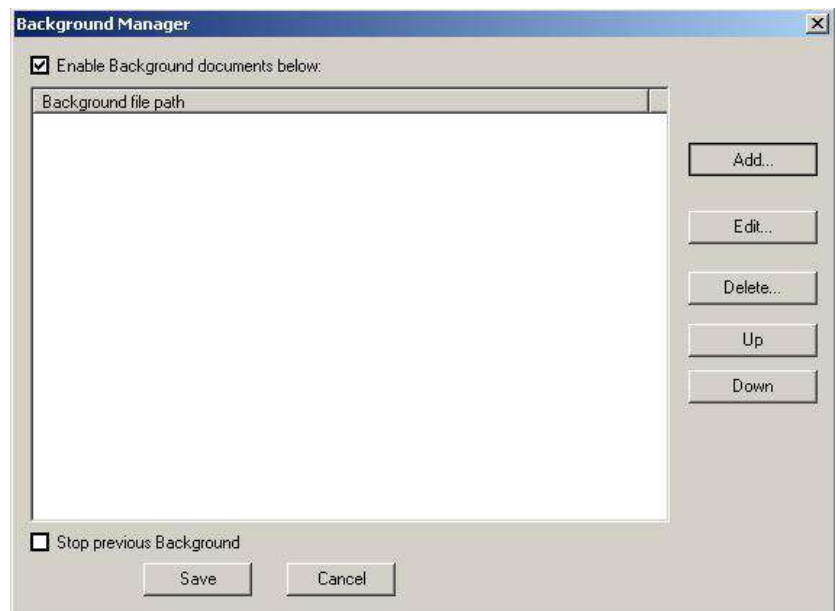
Figure 11.11

12. Configuring the SignagePro Client Screen Resolutions

If you want more resolutions you will need to configure the SignagePro Client. Configuring the SignagePro Client is easy to do and only take a few minutes.

1. Logging into the configuration console.
   a. Once you turn on the client, you are greeted with the SignagePro Splash Screen.
   b. After the kernel initiates you are given approximately 15 seconds to press 'F2' and enter the configuration console.
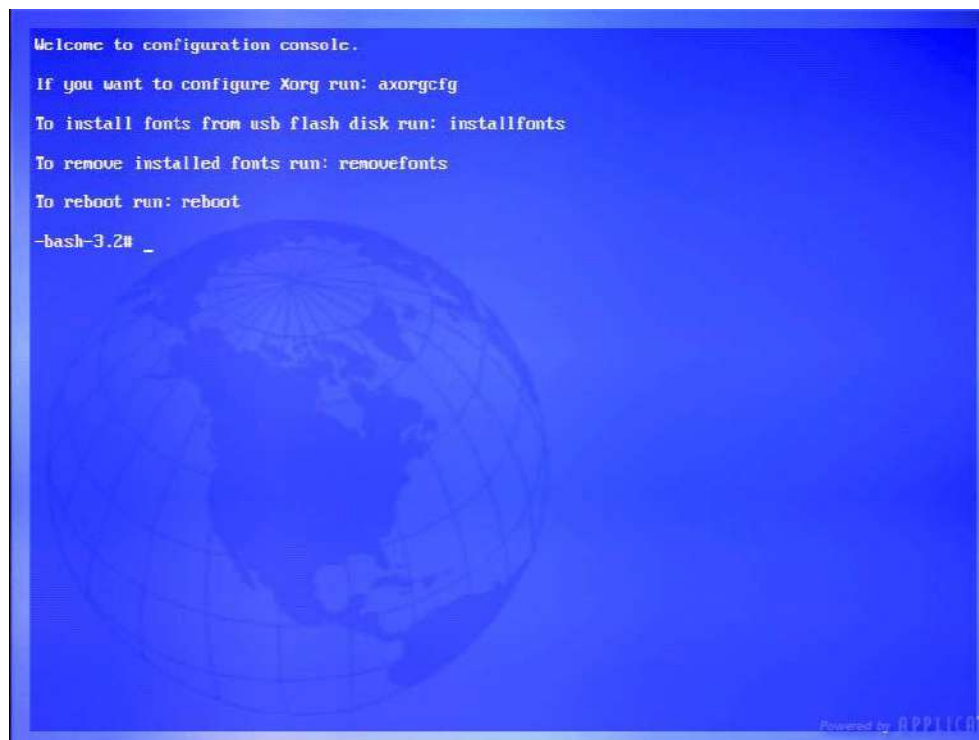
Figure 12.2

2. Once you are at the configuration console you are given four options. (*Figure 12.2*)
   a. **If you want to configure xorg run: axorgcfg**
      i. This is where you configure your monitor and resolution settings.
   b. **To install fonts from USB flash run: installfonts**
      i. Typing installfonts into the command line will install fonts from your USB flash drive.
      ii. It is important to note that if you use specialized fonts in your presentations, you will need to install those fonts onto the SignagePro client for your presentation to display properly.
   c. **To remove installed fonts run: removefonts**
      i. Type 'removefonts' into the command line and press 'Enter' to remove any fonts that are no longer being used.
   d. **To reboot run: reboot**
      i. Typing 'reboot' into the command line reboots
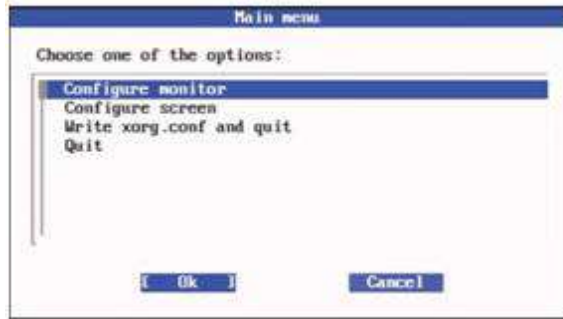
Figure 4.3

Figure 4.4
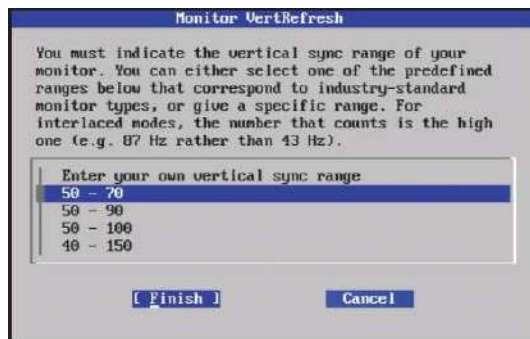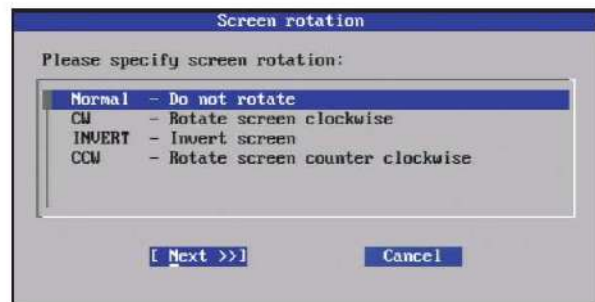
Figure 4.5

Figure 4.6

3. **The Configuration Panel – Main Menu** (*Figure 4.3*)

    From this menu you are given the following options;

    a. **Configure monitor**
        i. Each time you connect a new display to the SignagePro Client you will need to add or edit the monitor settings;
        ii. **Horizontal sync range**
            • Select the horizontal sync range that corresponds to your monitor. (*Figure 4.4)*
            • It is recommended that you select a sync range that accommodates the highest resolution for your display. If you are unsure, please refer to your display manual.
            • Select 'Next' and click 'Enter'
        iii. **Vertical refresh rate**
            • Select the vertical refresh rate that corresponds to your monitor (*Figure 4.5*)
            • If you are unsure of this setting, please refer to your display manual.
            • Select 'Finish' and click 'Enter'

    b. **Configure screen**
        i. Each time you connect a new display to the SignagePro Client you will need to add or edit the screen settings.
        ii. **Monitor EDID**
            • Select Native to read from monitor OR select a monitor from the preset list
            • Select 'OK' and click 'Enter'
        iii. **Screen Rotation** (*Figure 4.6*)
            • Normal – Do not rotate
            • CW – Rotate screen clockwise

- Invert – Flip screen upside down
- CCW – Rotate screen counter clockwise
- Select 'Next' and click 'Enter'
  iv. **Screen Depth**
  - Configures the default 'color quality' or color 'depth' for your display.
  - Select the desired 'Screen Depth' and click 'Next'
  v. **Screen Modes**
  - Configures the video mode for your display.
  - Use the up/down keys to scroll for the desired resolution.
  - Use the space bar to check the desired resolution.
  - Select 'Finish' and click 'Enter' to save your settings and return to the main menu of the Configuration Panel.
  - Select 'Ok' on the confirmation window and click 'Enter'

c. **Write Xorg.conf and quit**
   i. Saves all of your changes by writing your configuration settings to the Xorg Configuration file and quits the configuration panel.
   ii. Select 'OK' and click 'Enter' to save your settings.

d. **Quit**
   i. Quit the configuration panel without saving your settings.
   ii. Once you save your setting you will be prompted to test your configuration. We recommend that you test your settings to ensure best results.
   iii. Type 'Y' for yes and click 'Enter'.
   iv. If the tests are successful you will be taken to a screen with a printout of your settings.
   v. Use your mouse to place the cursor within the white area of your screen and 'click'.
   vi. Type 'Exit' in the command line and press "Enter' to exit the test results page.
   vii. Type 'reboot' in the command line to exit configuration and reboot the SignagePro client.

13. Registration and Activation

SignagePro software requires registration and activation for successful use of the SignagePro Manager software after 30 days.

To register, open up the SignagePro Manager, and then click on 'Help' and then 'Registration'

Next, click the link that says 'Get key from WWW'. (*Figure 13.1*)

Next you want to fill out the form completely, and make sure the Product at the top says SignagePro. (*Figure 13.2*) After you have completed the form, click the 'Register Now' button. A new window will open; this contains your activation code. Copy the code, close the window, and paste it in the Register Product window in the 'Activation key:' field. (*Figure 13.3*)

Lastly, click the button that says 'Save Changed Registration Information'. The Product Registration Status will say 'Product has been registered' (*Figure 13.4*) Click 'Ok' to close the window.

Note: Make sure you save your activation code in a safe place; it will be needed for product upgrades.

Figure 13.1

Figure 13.2

Figure 13.3

Figure 13.4

Specifications

Form Factor	Mini-ITX (6.70 inches by 6.70 inches [170mm x 170mm]) Board z-height is 20mm
Processor	Passively cooled, integrated single core Intel® Atom™ processor N270 with a 533 MHz system bus and 512KB L2 cache
Memory	Single 200-pin DDR2 SO-DIMM connector: • Support for DDR2 533 MHz SO-DIMMs (DDR2 800 MHz and DDR2 667 MHz validated at 533 MHz) • Support for up to 2 GB single-channel system memory
Chipset	Passively cooled, mobile Intel® 945GSE Express Chipset: • Intel® 82945GSE Graphics and Memory Controller Hub (GMCH) • Intel® 82801GBM I/O Controller Hub (ICH7-M)
Audio	Realtek ALC662* codec for 2+2ch (multi-streaming) Intel® High Definition Audio (Intel® HD Audio): • Front panel microphone/headphone header • S/PDIF digital audio header • Internal mono speaker header
Video	Intel® Graphics Media Accelerator 950 (Intel® GMA 950) dual-onboard graphics support: • Analog displays (VGA) • Digital displays (DVI-D)
I/O Control	Legacy I/O controller: • 1 PS/2 header • 2 serial headers • 1 parallel port header
LAN Support	Realtek 10/100/1000 Ethernet Controller
Peripheral Interfaces	3 USB 2.0 ports 2 Serial ATA 3.0 Gb/s connectors (supporting IDE and AHCI) 1 power header for storage devices 1 parallel ATA port (44-pin mobile header)
Expansion Capabilities	One PCI Express* Mini Card slot for low-profile expandability (I/O shield can mechanically support up to three external antennae for use with wireless adapter)
Operating System	OS Embedded Linux
Dimensions	Length: 8" (20.32 cm) Width: 8.375" (21.273 cm) Height: 2.25" (5.715 cm)
Formats Supported	Video (AVI, MPEG1, MPEG2, MPEG4, WMV, FLA, DIVX) Flash (SWF) Still Images (JPEG, GIF, BMP, PNG) WebPages (URL) Adobe Acrobat (PDF) PowerPoint (PPT) Audio (MP3, WMA) News (RSS)

Server Requirements

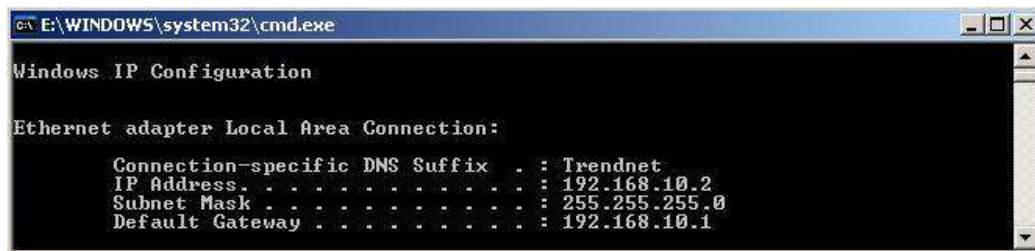|	
Processor	Intel Pentium 4 HT or Higher
Operating System	Windows XP, Windows Vista, Windows 7 (32-bit or 64-bit)
Memory	1GB RAM (Minimum)
Networking	10/100/1G

Sample Configurations

Configuration #1
Router/Hub with DHCP

1. Connect the server and the SignagePro client to a router/hub with DHCP configured.
2. At the server's DOS prompt, enter 'ipconfig' to determine the IP number of the server.

If the server got assigned an IP number correctly from the DHCP server, the result should look similar to the following:

The IP address on the above example is '192.168.10.2'. These numbers are needed for the SignagePro client to connect to the server.

3. At the client, hit 'CTRL+ALT+2' to bring up the SignagePro Configuration Panel.
4. Go to the 'General' tab to enter your Server's settings.
5. For the 'Server' field, type the IP address of your Server. In this case, '192.168.10.2'
6. For the 'Player Name' field, type in a name for your client.
7. For 'User' and 'Password', type in the Username and Password that you use to login to your SignagePro Server Manager.
8. Click 'Ok' to save your settings and close the panel.

Your Server settings should look similar to the following:

Configuration #2
Router/Hub without a DHCP server

1. Connect the SignagePro server and the SignagePro client to a hub using CAT-5 or CAT-6 cables.
2. Manually assign IP numbers to the server

A sample might look like the following;
        Server IP number: 192.168.10.2
        Server IP Mask: 255.255.255.0
        Server IP Gateway: 192.168.10.1
        Preferred DNS Server: 192.168.10.1
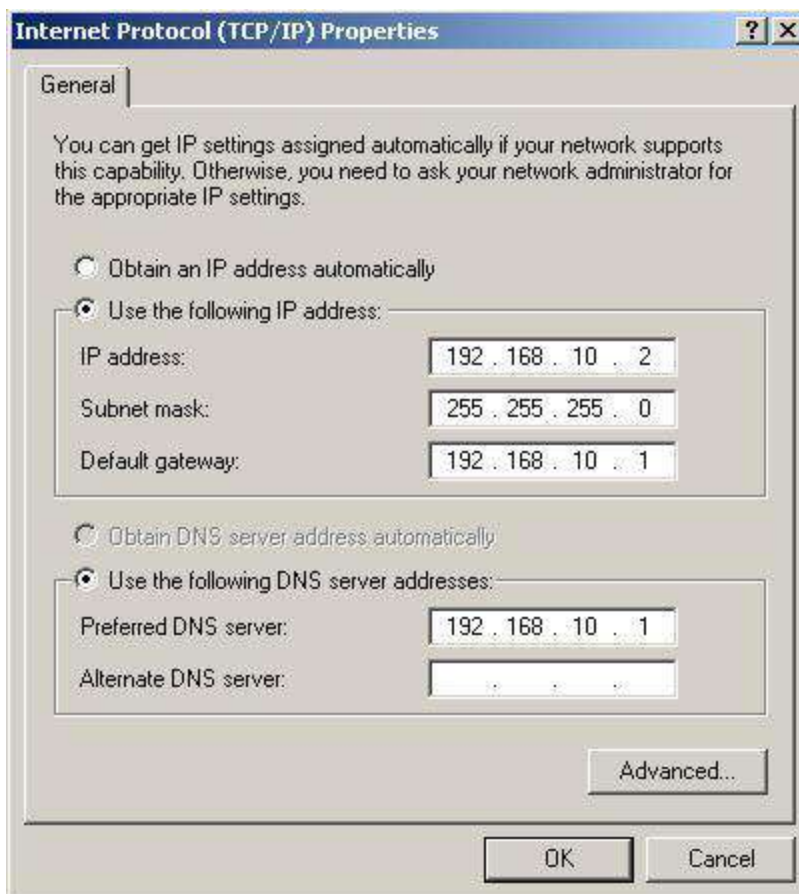
Note: Make sure that the new network address you assign does not conflict with existing IPs on the network.

3. At the client, hit 'CTRL+ALT+3' to bring up the SignagePro Network Panel.
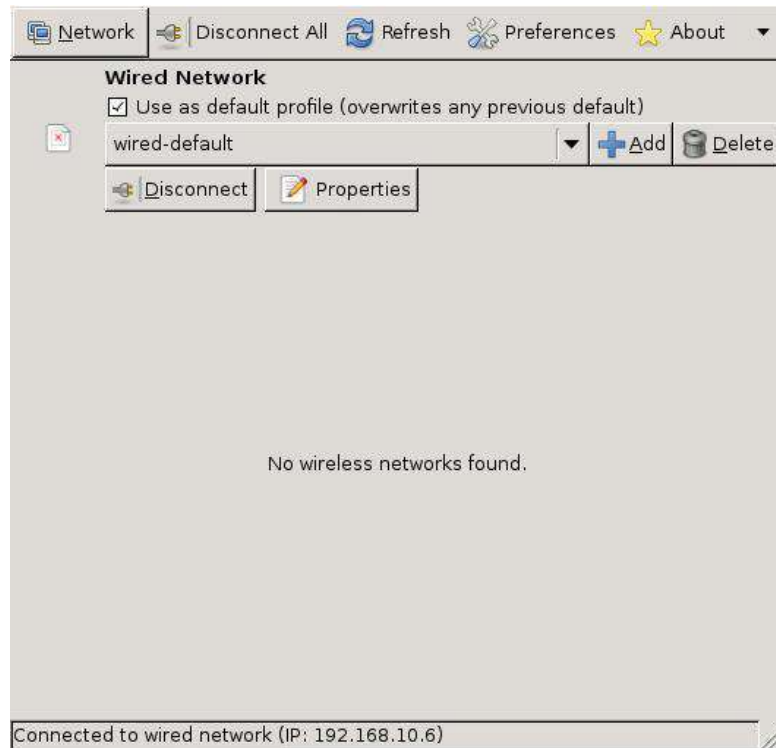
4. Under your wired network, click on 'Properties'
5. Check 'Use Static IP' and manually assign IP numbers to the Client

A sample might look like the following:
    IP: Similar to your Server's IP, but change the last digit (i.e. 192.168.10.3)
    Netmask: 255.255.255.0
    Gateway: Your Server's IP from Step 2 (i.e. 192.168.10.2)
    DNS 1: Same as Gateway (i.e. 192.168.10.2)

6. Click 'Ok'. Then click 'Connect' to reconnect to the Network.

Alphabetical Index

Notes

Notes

For more information, visit www.smartavi.com.

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