Freeway *Signage* 8

USER MANUAL

Welcome

Thank you for choosing FREEWAY *Signage* 8 from Cameron Communications. We have built upon the success of our last version to give you an improved experience with more flexibility than ever whilst maintaining the ease of use that makes FREEWAY *Signage* so popular. Without further a do, let us introduce you to some of the new features.

More Control

When you send an event to a channel, you have more control over various settings such as the screen layout, audio settings and play time.

Smoother Interface

The scheduler interface is cleaner providing an excellent overview of each channel.

Improved TV Tuner Quality

We have improved the quality of the TV tuner window so your live TV feed will be sharper and cleaner than before.

Improved Quick Messaging

It is now possible to send individual scrolling text messages to each channel. In addition to this you are no longer limited in the number of messages that you may send.

More Flexibility

Make your display unique by choosing the display font style, the channel background image, RSS news source. Furthermore you can now construct your own channel template using the FREEWAY Template Editor.

Now that we've given you an idea of some of the improvements, let's begin. If you are using FREEWAY *Signage* for the first time you have nothing to worry about, the following manual will go through every aspect of the software from start to finish.

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System overview

The system requires a minimum of two units. One is used as a scheduler which sets play times, channel information etc. whereas the other is required to playback this information. Throughout this manual you will see the former referred to as the Scheduler and the latter referred to as the Zone Playback Channel or Zone PC. A visual impression can be seen below in Figure 1.

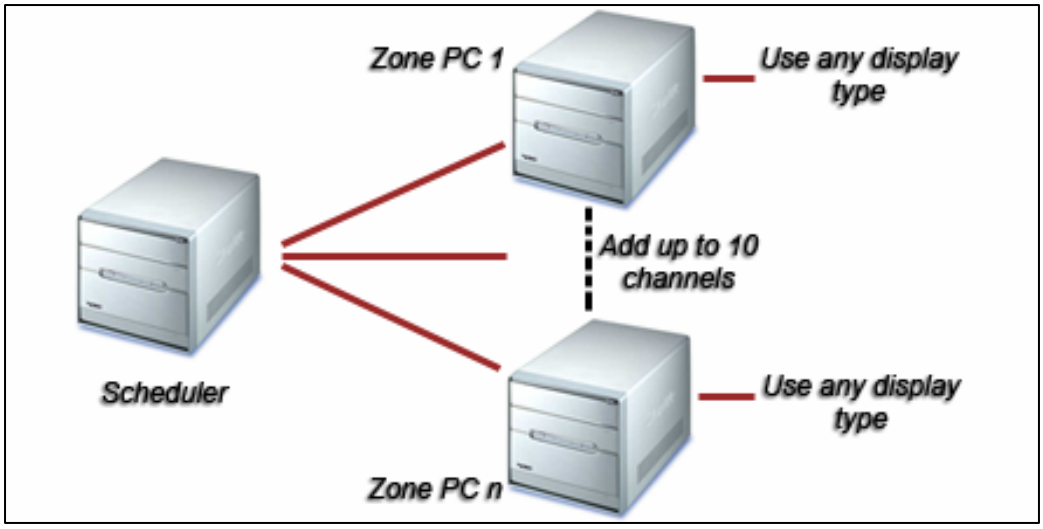


Figure 1 - Overview of system

Installation

On the installation CD you are provided with two setup programs. The first, 'Freeway Scheduler v8 Setup.exe' should be installed on to the Scheduler and the second, 'Freeway Zone Display v8 Setup.exe' installed on each Zone PC. This will load all of the necessary components on to the respective machines. All of the program shortcuts will be placed on to each machine desktop.

Setup your system

Once the software has been installed, the next step is to set-up both the Scheduler and each Zone PC.

Setting up the Scheduler

To begin, open the program, 'Freeway Scheduler 8 Setup'. A shortcut should be available on the Scheduler desktop. A login screen will then appear. When it does, enter the Username: **admin** and Password: **freeway**. This will open the Scheduler setup as shown in Figure 2.

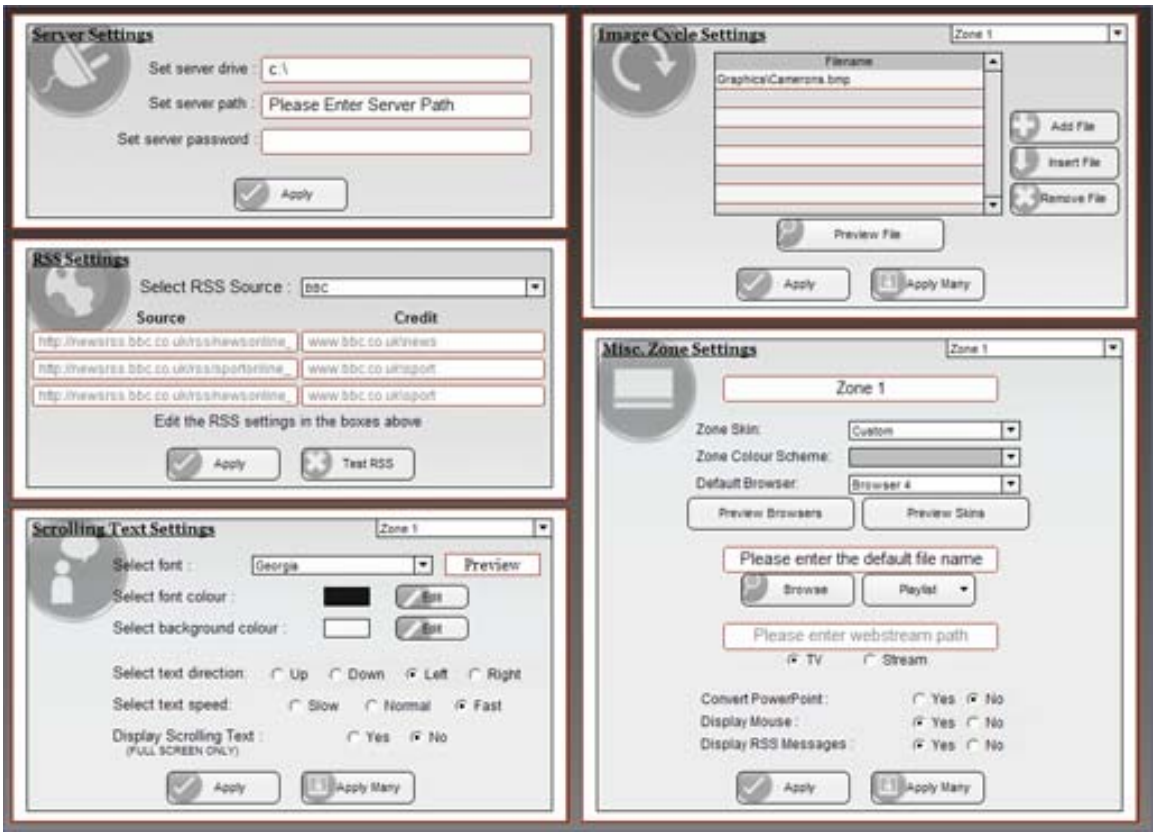


Figure 2 - Freeway Scheduler Setup

Server settings

Server Drive

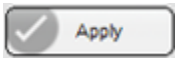
This corresponds to the letter of the network drive used to host the FREEWAY *Signage* software. In order to run successfully, this drive must be visible and accessible to the Scheduler and each Zone PC on the network.

Server Path

You are required to enter the Universal Naming Convention (UNC) path in to the text box. This typically takes the form of, '\\HostPC\SharedFolder\'.

Server Password

Should a password be required to access the shared folder then enter it in to the textbox.

Once all of the settings have been applied click the 

button to save the server settings.

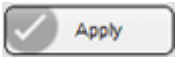
RSS settings

Really Simple Syndication (RSS) feeds may be specified in the set up. The program allows channels to be specified for news, sport and entertainment. There is a drop down menu that allows you to select a feed from major news outlets such as BBC, Reuters and Sky. However by selecting the custom option, you may enter your own RSS source.

NOTE: When specifying your own RSS feed it is important that you reference your source

To test your RSS feeds, click on the

button. This will open the RSS test window where you can monitor the status of each link.

Once the RSS sources have been specified, click the 

button to save the settings.

Scrolling text settings

New to FREEWAY *Signage* 8 are the number of settings you can apply to the scrolling text messages. Before you begin, it is important that you select the Zone PC that you wish to edit from the drop down list. You may then customize the scrolling text for that particular channel.

Font Type

Select the font type from the drop down list. A preview of the style will be displayed in the box adjacent to the list.

NOTE: The selected font must be installed on the Zone PC otherwise a default setting will be used

Font Colour

Change the scrolling text font/background colour by clicking on the

button. This will open the colour palate where you may select your colour accordingly.

NOTE: The colours will not come in to effect until the Custom template is selected

Text direction

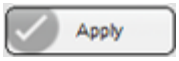
Choose a text direction by selecting one of the options. Currently you may choose to scroll the text to the left or right.

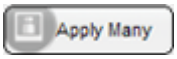
Text Speed

Choose from three scrolling text speeds: slow, normal and fast

Display scrolling text

When 'no' is selected, the scrolling text will not be displayed when the Zone PC is playing information in full screen mode.

Once all of the settings have been applied, they may be saved to the selected Zone PC by clicking the 

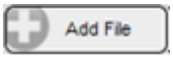
button.
Alternatively, if you wish to save the same settings to a number of Zone PCs, click the 

button. This will open a dialog where you may select the Zone PCs to which the settings should apply.

Image cycle settings

Another improvement in FREEWAY *Signage* 8 is the image loop. Now it is possible to construct a list of images (BMP format) and Macromedia Flash files. These loops are unique to each Zone PC; therefore it is again necessary to select the appropriate Zone PC from the drop down list. Once selected, the current contents of the image cycle will be displayed in the list.

Modify cycle contents

Files may be added, inserted and removed from the cycle. To add a new file, click the 

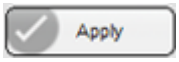
button. This will open the file explorer allowing you to select the chosen file. Should the cycle already contain a selection of files, it is possible to insert a new file in a specified position. To do so, click on the list the name of the file you wish to insert the new

file before then press the

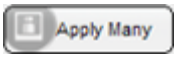
button. Finally, a file can be removed by selecting its name from the list and clicking the

button.

NOTE: The image area is 248x276 pixels. All images should not exceed these dimensions or they will be cropped

Once all of the settings have been applied, they may be saved to the selected Zone PC by clicking the 

button.

Alternatively, if you wish to save the same settings to a number of Zone PCs, click the 

button. This will open a dialog where you may select the Zone PCs to which the settings should apply.

Misc. zone settings

A number of other settings may be applied to each Zone PC. Included are some new features to FREEWAY *Signage* 8 such as skin selection, default screen settings and PowerPoint to Flash conversion. To begin, select the Zone PC you wish to edit from the drop down list.

Edit zone name

At the top of the frame you will notice a text box, the contents of which correspond to the Zone PC name. By default the Zone PCs are name Zone 1-10, however you may wish to apply something more relevant i.e. 'Reception', 'Cafeteria', 'Department 1' etc.

Zone skin

Choose which skin to apply to the zone from the drop down list. There are a total of three available: classic, fancy and metallic. A custom skin may be applied. For more information, please refer to the chapter, 'Customize your display' found later in the manual.

Zone colour scheme

Select either a blue or silver colour scheme from the drop down list. When a custom skin is applied, this option is unavailable.

Upload skins

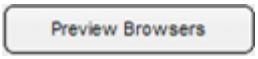
The setup program contains a facility to upload custom made skins for use on the Zone PC. This will be covered in more detail in the chapter, 'Customize your display'.

Default settings

As a result of the new feature in FREEWAY *Signage* 8 where end times can be attached to zone events, it is necessary to provide the Zone PC with some default event information which it may revert to once an event expires.

Default browser

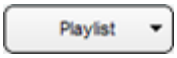
Select the default browser from the drop down list. There are a total of six browsers available and an additional custom browser. More information on the custom browser is available in the chapter, 'Customize your display', found later in the manual.

To preview the system browsers, click the 

button. This will open a window providing details of each available template.

Default file

There is a text box which contains the path of the default file. This may be edited by clicking the

button. This will open the file explorer from which the file may be selected. It is also possible to select a playlist as the default file by making a selection from the drop down 

button.

NOTE: Playlists will be discussed later in this manual

Audio setting

Note the check box labeled, 'Mute TV/DVD'. When selected, the TV input will be muted when the default event is loaded.

TV/Webstream settings

Individual TV/Webstream settings may be applied to each zone. You will notice that there are two options marked: TV and Stream. Select whatever one applies to the zone currently being edited. When a stream is selected, it is necessary to provide the Webstream path in the text box above.

Other settings

There is a selection of other settings that may be applied to the zone.

Convert PowerPoint

Select this if you want to convert your PowerPoint files to Flash.

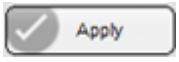
NOTE: Converting files may result in a loss of some transitions/animations. See Appendix for details

Display mouse

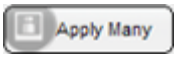
Select this if you want to display the mouse pointer on your screen.

Display RSS messages

Select this if you want to display RSS messages on your screen.

Once all of the settings have been applied, they may be saved to the selected Zone PC by clicking the 

button.

Alternatively, if you wish to save the same settings to a number of Zone PCs, click the 

button. This will open a dialog where you may select the Zone PCs to which the settings should apply.

Setting up the Zone PC

To begin, open the program, 'Freeway Scheduler Zone Display Setup'. A shortcut should be available on the Zone PC desktop. This will open the Zone PC setup as shown in Figure 3 below.

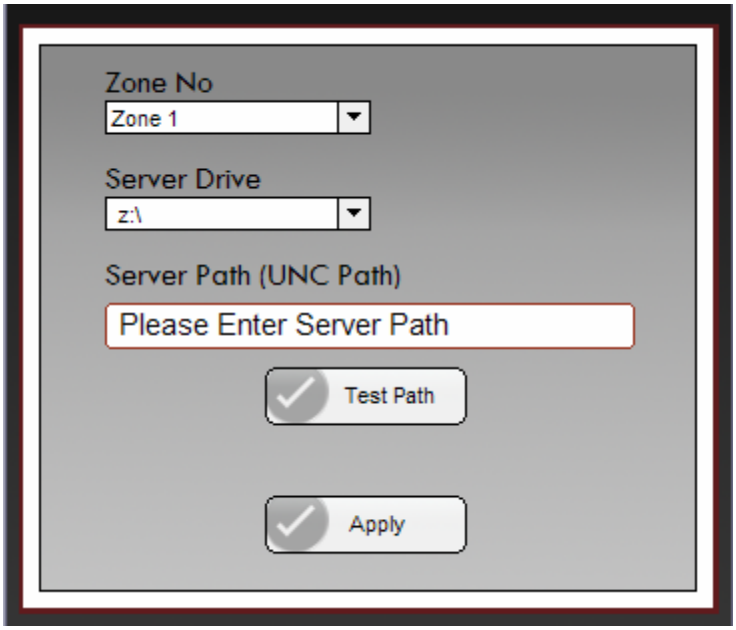


Figure 3 - Zone PC Setup

Basic settings

There are a few basic settings that have to be applied in order for the Zone PC to run successfully.

Zone No

You may allocate the Zone PC a zone number from one to ten. This is selected from the drop down list.

Server Drive

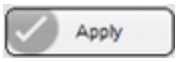
This corresponds to the letter of the network drive used to host the FREEWAY *Signage* software. In order to run successfully, this drive must be visible and accessible to the Scheduler and each Zone PC on the network.

Server Path

You are required to enter the Universal Naming Convention (UNC) path in to the text box. This typically takes the form of, '\\HostPC\SharedFolder\'.

It is possible to test the validity of this path by clicking the

button.

Once all of the settings have been applied click the 

button to save the Zone PC setup.

System startup

With the Scheduler and each Zone PC now setup, we can begin to open our programs that will display and schedule our information.

To launch the zone display software on the Zone PCs, go to the Zone PCs and open the program 'Freeway Scheduler Zone Display'. A shortcut should be located on the desktop; otherwise it can be found in the path: 'C:\Freeway Scheduler 8\Freeway Scheduler Zone Display.exe'.

With the program running, it can effectively be ignored as all the operation in performed on the Scheduler. To begin, go to the Scheduler and open the program 'Freeway Scheduler 8'. Again a shortcut should be available on the desktop.

Freeway scheduler

Launching the FREEWAY scheduler software will display the main control screen as shown in Figure 4. It is from here where all the information is sent to the Zone PCs.

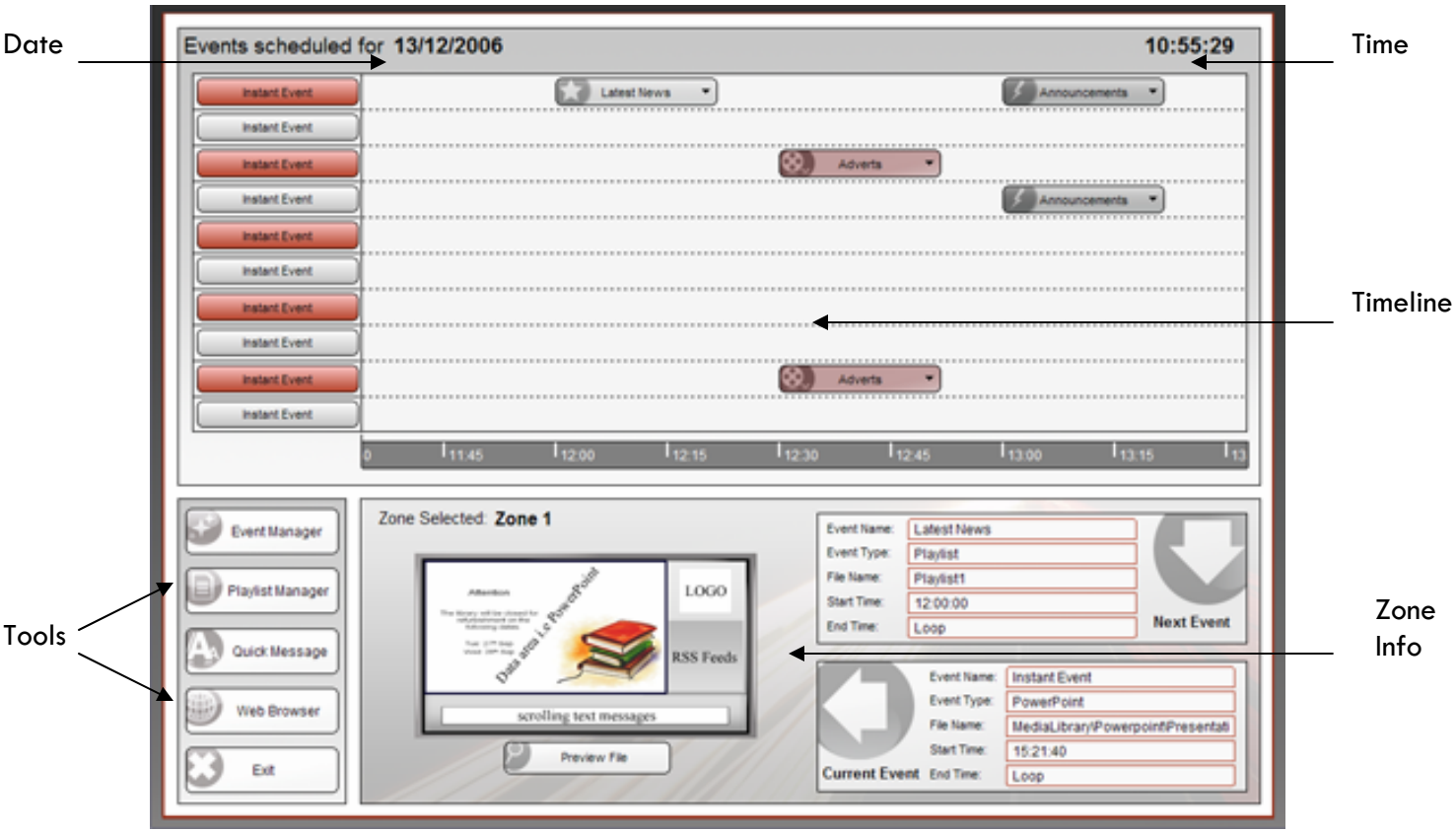


Figure 4 - Freeway scheduler main control

Scheduler overview

The scheduler contains a small number of elements that provide you facilitate you in controlling your Zone PCs.

Date/Time

Located at the top of the screen is the days/date and present time.

Timeline

In the main upper half of the screen is the FREEWAY timeline. This is split in to ten rows from top to bottom corresponding to zones one to ten. At the bottom is the current time, and within each row is an indication of forthcoming events (events are discussed shortly). To navigate through the timeline; use the '<' key to go left, and the '>' key to go right.

Also notice that the current event/zone name is displayed on a button at the far left of the timeline. Clicking on this will load the information for that Zone PC in to the Zone Info frame at the bottom of the screen.

Tools

Located to the lower left of the screen are buttons that will open the FREEWAY scheduler tools. The purpose of each is as follows:

- **Event Manager**: This is probably the most important tool you will learn to use. It is from here where files are scheduled to go to the Zone PC
- **Playlist Manager**: This utility allows you to construct a Playlist of files which may be sent to the Zone PC
- **Quick Message**: Each Zone PC has the ability to display scrolling text messages, the contents of which are managed using this utility
- **Web Browser**: Launches a web browser where you can save WebPages that you wish to send to the Zone PC
- **Exit**: Quits the FREEWAY scheduler program

Each of these tools will be discussed in greater detail later in this manual.

Zone info

The zone info frame provides a basic overview of a particular Zone PC. A screen is shown illustrating the screen layout, there is also information regarding the current and next event.

Event Manager

The most important aspect of running an information system is that of sending the right content at a suitable time. This is managed using the event manager tool. To open, click on the

button. The event manager will then be displayed in the zone info frame; the tool window is shown in Figure 5.

Overview

Within the tool window you will find a number of scheduling options i.e. New Event, Edit Event, and Delete Event etc. In addition to this is the schedule list showing all scheduled events for the selected Zone PC. The schedule for each Zone PC can be displayed by selecting the desired zone number from the drop down list.

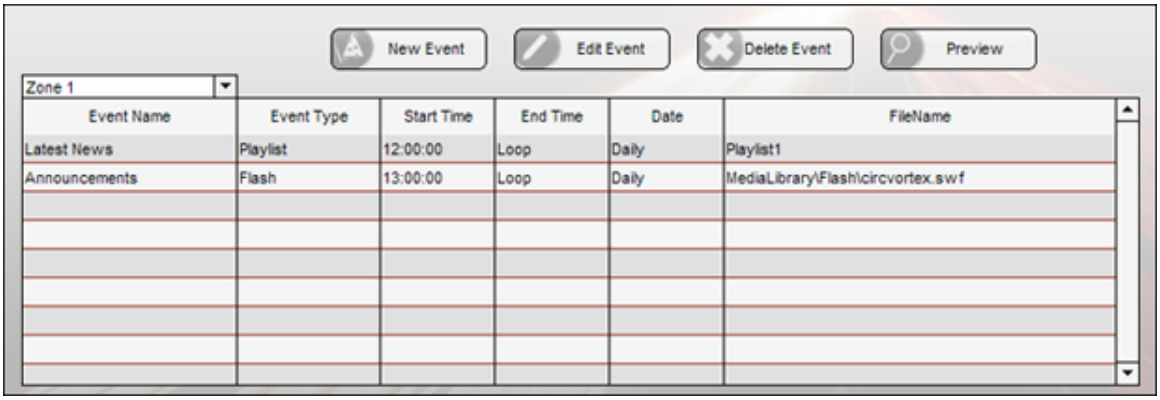
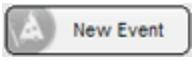


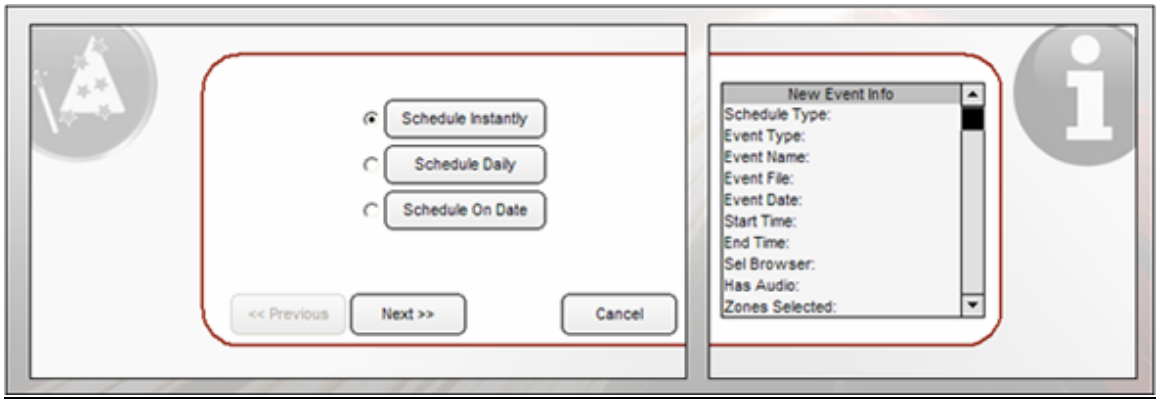
Figure 5 - Event manager tool window

Schedule a new event

When we want to change the Zone PC output, we have to send a new event to the channel. An event can be sending a new file, changing the screen layout or both. To begin the procedure, click the 

button. This will launch the new event wizard. Each step of the wizard is outlined below:

Select schedule type

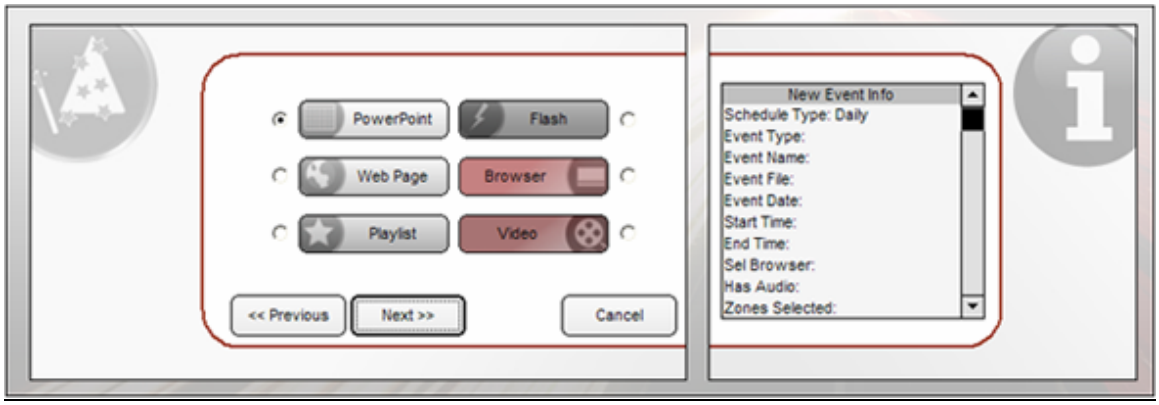


Choose the time frame in which your information is sent to the Zone PC. The options are:

- **Schedule instantly**: the event will be sent to the Zone PC immediately
- **Schedule daily**: the event will be sent daily at a time specified by the user
- **Schedule on date**: the event will be sent on a specific day at a time specified by the user

Select one of these option and then move on to the next stage. The buttons at the bottom of the wizard allow you to navigate through the steps throughout the event setup.

Select event type



In this step, select what type of event you wish to send to the Zone PC. The following options are available:

- **PowerPoint**: send a Microsoft PowerPoint file(.ppt,.pps) to the zone
- **Webpage**: send either a web address or a saved webpage(.htm,.html) to the zone
- **Playlist**: send a Playlist(playlists are discussed later) to the zone
- **Flash**: send a Macromedia Flash(.swf) file to the zone
- **Video**: send a data video file(.mpg, .wmv, .avi) to the zone
- **Browser**: this event will change the screen layout of the Zone PC

Enter event name/filename

Unless you selected a Browser event, you will then be asked to enter an event name and filename.

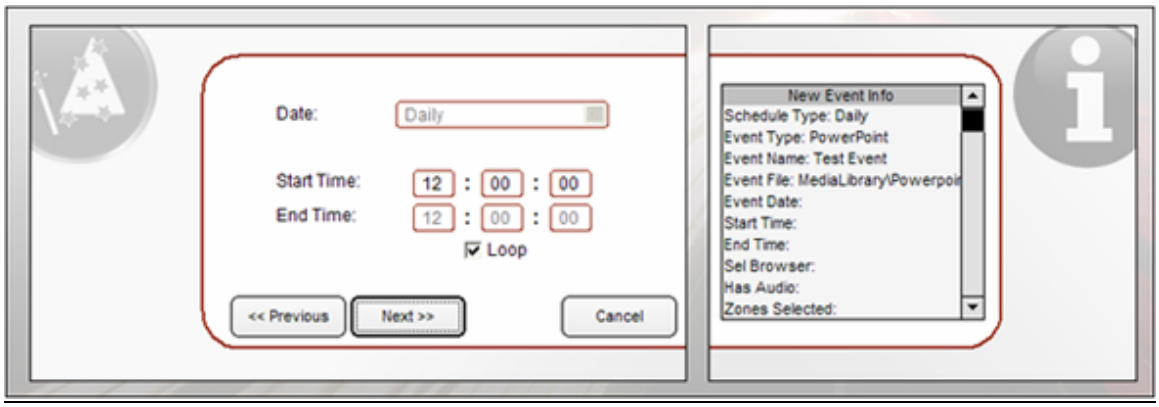
The event name should be something meaningful that will identify the event as it appears in the schedule. If you are scheduling an event instantly, the event name will default to 'Instant Event'.

Entering the filename is achieved by clicking the

button. This will open the file explorer. Notice how this explores the assigned server drive from the setup. It is important that any files you wish to display are stored on this shared drive. Go to the file and select it by double-clicking on its name.

If you select a webpage event the procedure for selecting a file is slightly different as you have the option to add a web address manually or from your favorites. Similarly, a playlist event differs in the sense that the playlist name is selected from a drop down list.

Enter start date/duration



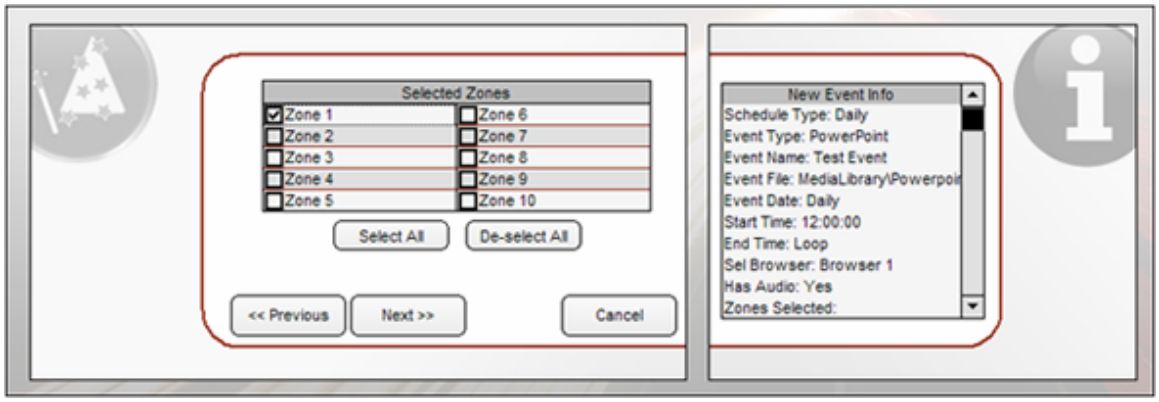
Depending on the schedule type you will be required to input a range of play times. An instant event requires only an end time if it is necessary, a daily event requires a start time as well an optional end time whereas a dated event requires all of the above plus a start date. Event times are stored in the format, 'HH:MM:SS'.

Select browser

The next step allows you to choose which template to use when the event is sent. The browser can be selected from the drop down list. To keep the same template the default value of 'Use current browser' should be used.

This step allows you to specify the audio setup. Selecting the check box will mute the line in audio of the Zone PC effectively muting the TV input.

Select target zones



The penultimate step is where the target Zone PCs are selected. Clicking on a check box next to the Zone PC name will render it selected. All the selected zones will receive the new event.

With all of the steps completed, the only remaining task is to finalize the event by clicking on the

button.

Edit an event

If an event has already been scheduled, it is possible to change some of the settings. To begin editing, click event on the zone's schedule so that it becomes highlighted. Next, click the

button to launch the edit tool window as shown in Figure 6 below.

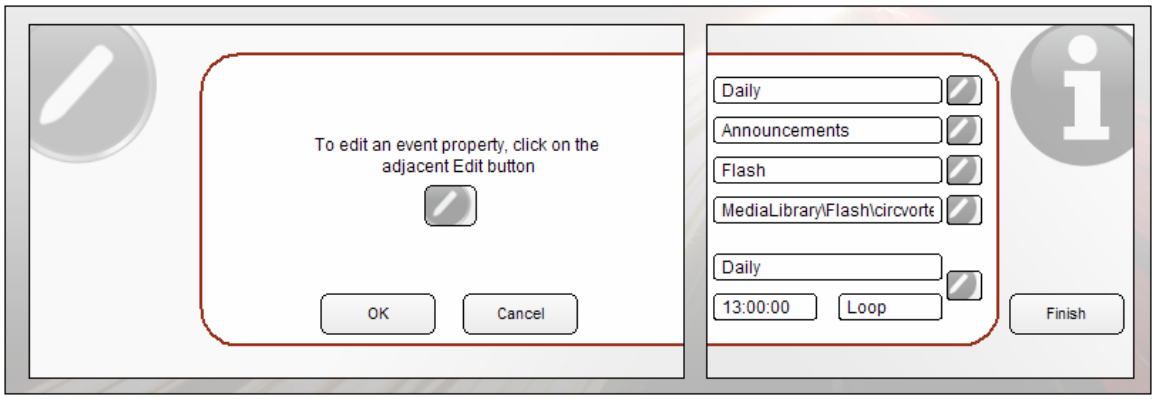


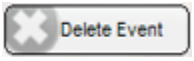
Figure 6 - Edit event tool window

Notice that the editable values are listed on the right of the window. To edit any of these, click the button next to the existing value.

Once all of the parameters have been edited as required, close the tool window by clicking on the

button.

Deleting an event

To remove an event from the schedule, firstly make sure it is highlighted on the zone schedule list, then click the 

button. The event will be removed once confirmation is provided.

Playlist manager

In circumstances where a number of files are required to be played in quick succession, a playlist event may be the best option. A playlist is essentially just a list of files that will play in a loop once scheduled to a Zone PC. The contents of the playlists can be edited using the FREEWAY playlist manager. To open the tool window click on the

button. This will open the playlist manager in the zone info frame as seen in Figure 7.

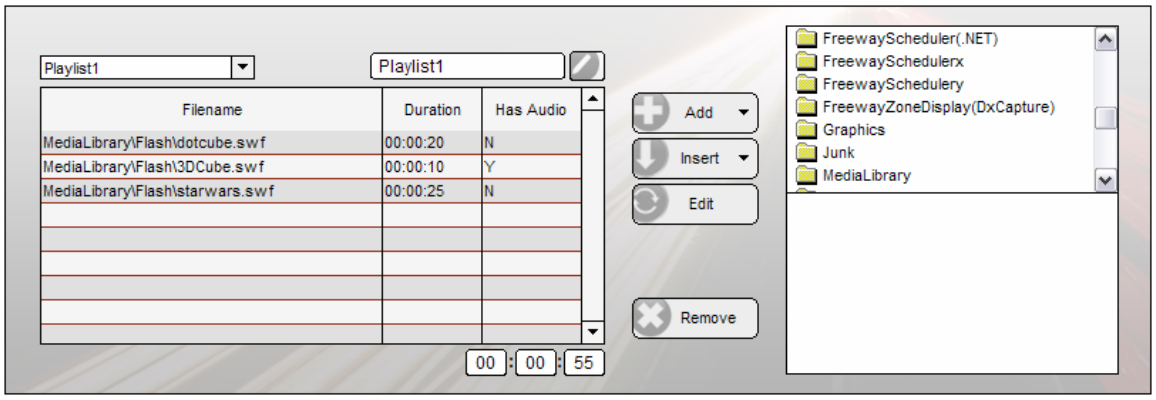


Figure 7 - Playlist manager tool window

In total there are five playlists which may be modified. Choose which playlist to modify by selecting its name from the drop down list.

Edit playlist name

By default the five playlists are called Playlist 1, Playlist 2 … etc. It is recommended however that you use a name which is more meaningful.

To edit the playlist name click on the button next to the existing name; this will then allow a new name to be entered.

Add files to the playlist

To the right of the window there is a file explorer allowing you to search the server drive for various file types including video, PowerPoint, Flash and webpage documents.
Once the desired file has been located, you may drag and drop it on to the playlist.
Alternatively, choose 'Selected file' from the

drop down menu.
New to FREEWAY *Signage* 8 is the ability to add a web address to a playlist. This time select webpage from the

menu, and choose whether to enter the URL manually or select a webpage from your favorites.

Once a file is added to the list, you will be prompted to enter duration as well as whether or not to mute the TV input. Remember that times are stored in 'HH:MM:SS' format.

Insert files to the playlist

When adding a file to the playlist, it will take its place at the end of the list. In circumstances where a file is required to be added in a certain position, the 'Insert' file would be the most appropriate option.
The first step is to highlight the file on the playlist you wish to position the new file **before**.
Then select your file as before except this time add it to the playlist using the

drop down menu.

Edit playlist file

To edit a playlist file, highlight it from the list and click the

button. This will allow you to edit the duration and audio settings for the selected file.

Delete playlist item

When an item is no longer required it may be removed from the playlist by highlighting its name then clicking the

button.

Scrolling text messages

The scrolling text messages on the Zone PC can be managed via the scrolling text editor. To open, click on the

button from the tool list. This will open the tool window in the zone info frame as shown in Figure 8 below.

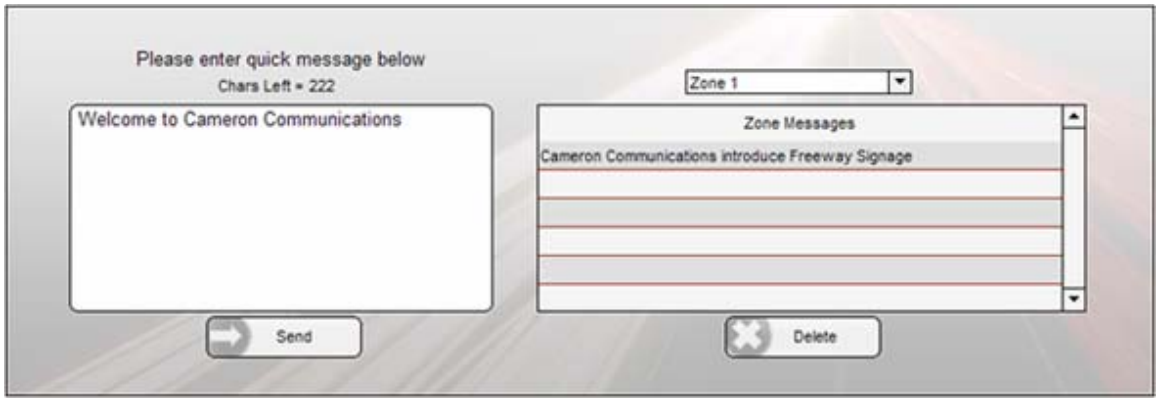


Figure 8 - Quick message tool window

The tool consists of a message box to the left of the window and a list containing the Zone PC name with its messages; located to the right of the window

Adding a new text message

The first thing to do is to select the zone for which the new message is intended. This is achieved by selecting a value from the drop down list.
The message is typed in the box located at the left of the window. Clicking the

button will add the new text message to the end of the list for the selected zone.

Deleting a text message

Removing a scrolling text message is easily done by firstly highlighting the message on the list then clicking the

button.

Web browser

FREEWAY *Signage* 8 also contains a web browser that allows pages to be stored so that they may be scheduled at a later date.

To open the browser press the

button. A window similar to that in Figure 9 will then appear.

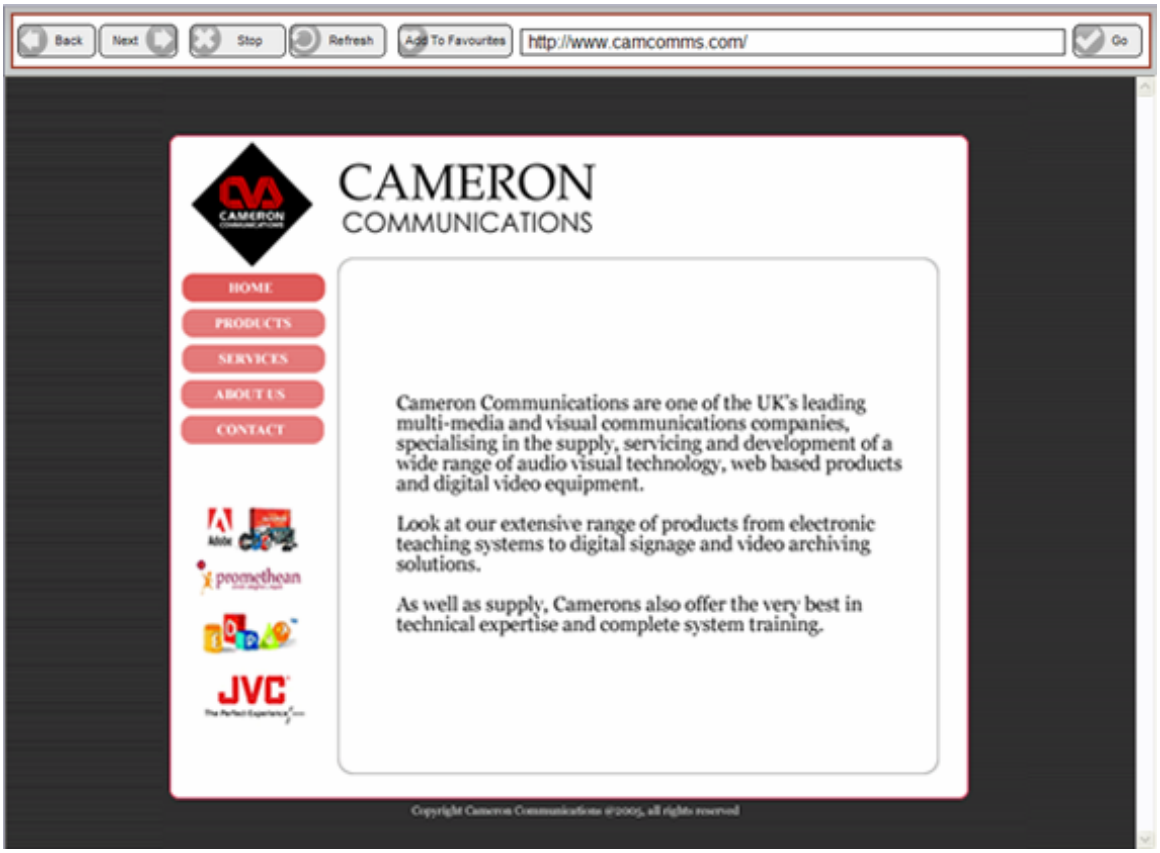


Figure 9 - Web browser window

The browser contains all of the basic controls required to browse various websites and webpages. However the most important aspect of this tool is the ability to store pages as 'favorites' which may be called upon later when scheduling a 'WebPage' event.

Add/Remove page to/from favorites

To store a webpage, click the

button located on the toolbar. This will open the dialog window shown in Figure 10.

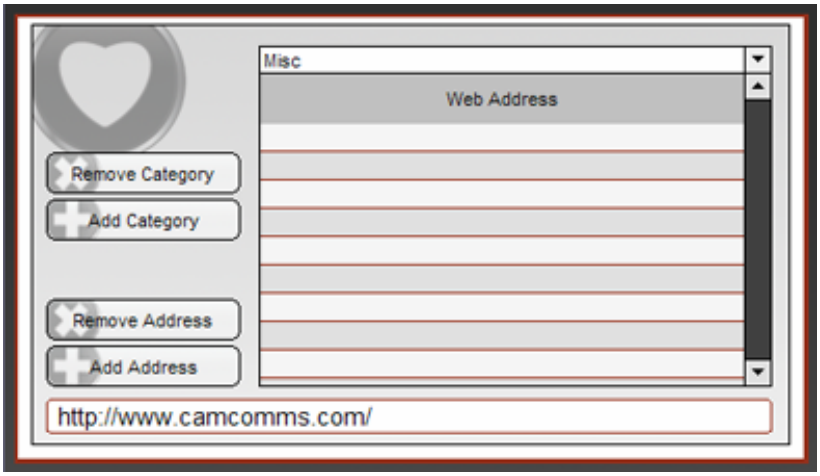


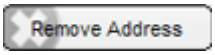
Figure 10 - Favorites manager

When the window opens, the address of the currently viewed webpage appears at the bottom of the screen. The first task is to select the category where the address should be saved; a value may be selected from the drop down menu at the top of the window.

To add the address, click the

button. Note that it should now have been added to the list.

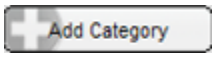
Any webpages that are added will now become available when scheduling a 'WebPage' event. Simply select the option: Add WebPage->From Favorites and locate the address.

To remove an address, highlight its name on the list and click the 

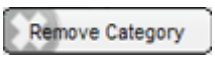
button.

Add/Remove categories to/from favorites

Three default favorite categories are provided which are: 'Misc', 'Sports' and 'Science'. Of course any number of custom categories may be added to help organize the favorites.

To add a category, click the 

button and enter the name when prompted. This group will then become available from the drop down list.

To remove a category, select the group from the drop down list and click the 

button.

NOTE: Removing a category will delete all webpages associated with it

Configure TV tuner card

To make full use of the FREEWAY *Signage* system, it is recommended that some form of video capture hardware is utilized. Basically this means that the system will have the capability of playing back an input from a device such as: a digital TV tuner, DVD player, video camera etc.
Part of the Zone PC installation package is a program that allows any video capture hardware to be configured. If you have already installed the FREEWAY Zone Display software, then this program should be available.

To open the capture card setup, open the program, 'Freeway Scheduler Capture Card Setup'. A shortcut should be available on the Zone PC desktop. If not then it can be found in the folder: 'C:\Freeway Scheduler 8\'. The setup program is shown below in Figure 11.

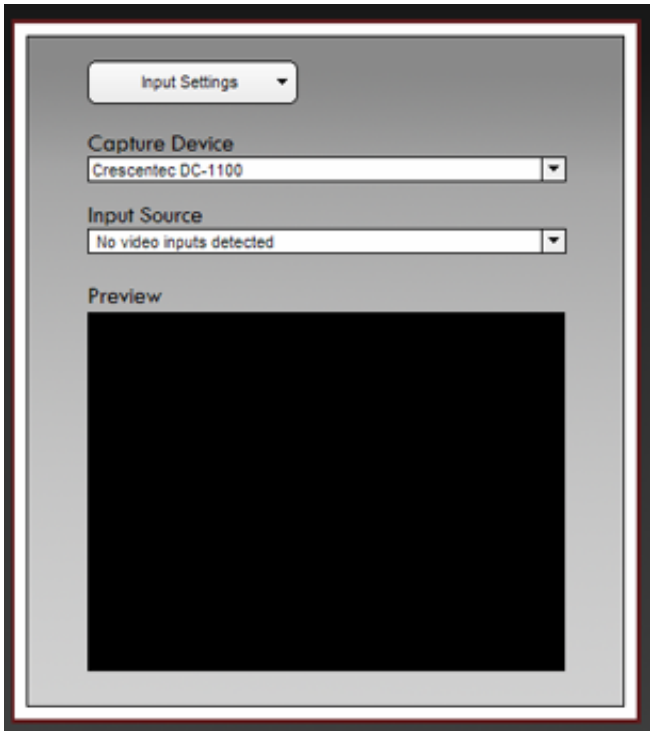


Figure 11 - Capture card setup

There are two drop down lists that allow you to specify the capture device and the input source. The preview window can be used to monitor the input to guarantee that the settings are correct. More advanced features may be accessed via the input settings drop down menu. Closing the program will memorize the setup.

Customize your display

New in FREEWAY *Signage* 8 is the extent to which your display may be customized to provide a more environment specific look and feel. Some of the features were touched upon earlier, however this chapter will cover the subject with more detail.

Creating/uploading skins

Every zone browser has a **1024x768** image fixed in the background. This is the 'skin' of the browser. New is the ability to import your own custom made 'skin' to be used in the background of each.

Create your skins

In the folder: 'C:\Freeway Scheduler 8\Template Layouts' you will find two folders containing guidelines for each browser. One folder will have the template in bitmap (BMP) format and the other in Adobe Photoshop (PSD) format. The dimensions can also be found in the appendices at the end of this manual. Use these guidelines to make your own **1024x768** skin, saving the file as a **bitmap (BMP)**.

Upload your skins

Firstly make sure that the skins are saved on the shared network drive. In order to upload the files, the skin upload tool in the FREEWAY Scheduler Setup must be used. Open the setup program on the Scheduler and click on the Upload Skins button. This will open the tool window seen in Figure 12.

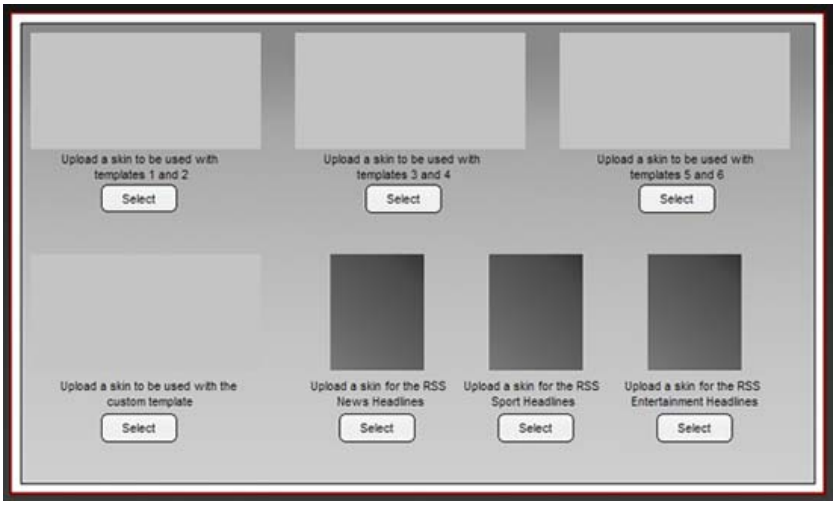


Figure 12 - Skin upload utility

By default, each template has a plain grey canvas for its background. To upload your custom made skin, click the Select button. This will open a file explorer that will let you browse the network drive for the new background.
Notice as well that skins may be created and uploaded for the RSS news backgrounds. The dimensions for this can again be found in the appendices at the end of the manual.

Applying the custom skin

Remember in the setup a skin setting is applied to the Zone PC? Selecting the 'Custom' option from the list will use the uploaded skins as the browser backgrounds. Furthermore, the scrolling text forecolour and backcolour will also be applied when this skin setting is used.

Create custom template

Another new feature in FREEWAY *Signage* 8 is the ability to create a custom browser that can be used in addition to the six standard templates. To edit the layout, use the 'Freeway Scheduler Template Editor' program which is located on the Scheduler. The main window is shown here in Figure 13.

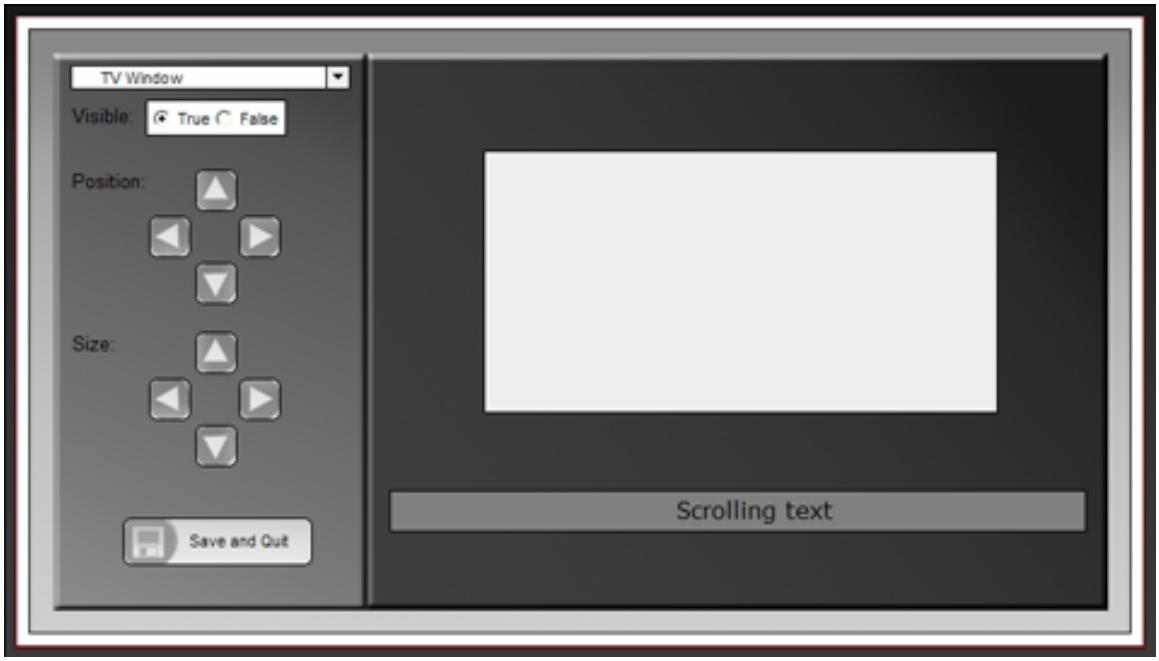


Figure 13 - Template editor

The screen is split in to two areas. To the left is the control panel and on the right is the template preview. Each browser element is contained in the drop down list at the top left of the tool window. The elements contained are as follows:

- **Data window**: This plays back the file types associated with the FREEWAY Scheduler i.e. PowerPoint, video, Flash and webpages
- **TV window**: This area is dedicated to playing back the input of the TV capture card
- **Logo frame**: This area plays the image cycle, it has a fixed size
- **Scrolling text**: This area is where the scrolling text messages will appear, it has a fixed size
- **RSS feeds**: The RSS messages will be displayed in this frame, it also has a fixed size

When an element is selected from the drop down list, it will act as the item being edited. Select whether or not the item should be displayed by selecting one of the 'Visible' options.

The position and size may also be set using the appropriate controls to the left of the screen

Once the layout is complete, you may save the settings by clicking the

button.

To use this template, select the 'Custom' browser from any of the browser selection drop down lists.

Appendix 1 – Zone PC system settings

A number of settings need to be applied to the Zone PC in order for it to run effectively.

Taskbar settings

Right click on the taskbar and then click 'Properties'. The following settings should be used:

Figure 14 - Zone PC taskbar settings

Display settings

Right click on the desktop and click 'Properties' on the menu. The following setting should be used. In the display properties, make the following changes:

- Disable the screensaver
- Adjust the power settings so that the monitor does not power off

Sound settings

Disable the system sounds by going:

Start Menu->Control Panel->Sounds and Audio Devices

Select the sounds tab and set the sound scheme to 'No sounds' from the drop down list.

Appendix 2 – PowerPoint to Flash conversion

The following tables contain information on the available transitions and animations when converting PowerPoint to Flash.

Entrance Animations		
Animations	**Supported**	**Substitution**
Appear	Yes	
Blinds	Yes	
Box	Yes	
Checkerboard	Yes	
Circle	Yes	
Crawl in	Yes	
Diamond	Yes	
Dissolve in	Yes	
Flash Once	Yes	
Fly in	Yes	
Peek in	Yes	
Plus	Yes	
Random Bars	Yes	
Random Effects	Yes	Fade
Split	Yes	
Strips	Yes	
Wedge	Yes	
Wheel	Yes	
Wipe	Yes	
Expand	Yes	
Fade	Yes	
Fade Zoom	Yes	
Faded Swirl	Yes	
Ascend	Yes	
Center Revolve	Yes	
Color Typewriter	Yes	
Compress	Yes	
Descend	Yes	
Ease In	Yes	
Grow &Turn	Yes	
Rise Up	Yes	
Spinner	Yes	
Stretch	Yes	
Unfold	Yes	
Zoom	Yes	
Boomerang	Yes	
Bounce	Yes	
Credits	Yes	
Curve Up	Yes	
Flip	Yes	Fade

Float	Yes	
Fold	Yes	
Glide	Yes	
Light Speed	Yes	
Magnify	Yes	
Pinwheel	Yes	
Sling	Yes	
Spiral In	Yes	
Swish	Yes	
Swivel	Yes	
Thread	Yes	
Whip	NO	

Emphasis Animations		
Animations	**Supported**	**Substitution**
Change Fill Color	Yes	
Change Font	NO	
Change Font Color	NO	
Change Font Size	NO	
Change Font Style	NO	
Change Line Color	NO	
Grow / Shrink	yes	
Spin	yes	
Transparency	yes	
Bold Flash	NO	
Brush on Color	NO	
Brush on Underline	NO	
Color Blend	NO	
Color Wave	NO	
Complementary Color	NO	
Complementary Color2	NO	
Contrasting Color	NO	
Darken	NO	
De-saturate Darken	NO	
Flash Bulb	yes	
Lighten	NO	
Vertical Highlight	yes	
Flicker	NO	
Grow w/ Color	NO	
Shimmer	NO	
Teeter	NO	
Blast	yes	
Blink	NO	
Bold Reveal	NO	
Style Emphasis	NO	
Wave	yes	

Exit Animations		
Animations	**Supported**	**Substitution**
Blinds	yes	
Box	yes	
Checkerboard	yes	
Circle	yes	
Crawl Out	yes	
Diamond	yes	
Disappear	yes	
Dissolve Out	yes	
Flash Once	yes	
Fly Out	yes	
Peek Out	yes	
Plus	yes	
Random Bars	yes	
Random Effects	yes	
Split	yes	
Strips	yes	
Wedge	yes	
Wheel	yes	
Wipe	yes	
Contract	yes	
Fade	yes	
Faded Swivel	yes	
Faded Zoom	yes	
Ascend	yes	
Center Revolve	yes	
Collapse	yes	
Color Typewriter	yes	
Descend	yes	
Ease Out	yes	
Grow & Turn	yes	
Sink Down	yes	
Spinner	yes	
Stretchy	yes	
Unfold	yes	
Zoom	yes	
Boomerang	yes	
Bounce	yes	
Credits	yes	
Curve Down	yes	
Flip	Yes	Fade
Float	yes	
Fold	yes	
Glide	yes	

Light Speed	yes	
Magnify	yes	
Pinwheel	yes	
Sling	yes	
Spiral out	yes	
Swish	yes	
Swivel	yes	
Thread	yes	
Whip	Yes	Fade

Motion Paths		
Animations	**Supported**	**Substitution**
4 Point Star	yes	
5 Point Star	yes	
6 Point Star	yes	
8 Point Star	yes	
Circle	yes	
Crescent Moon	yes	
Diamond	yes	
Equal Triangle	yes	
Football	yes	
Heart	yes	
Hexagon	yes	
octagon	yes	
Parallelogram	yes	
Pentagon	yes	
Right Triangle	yes	
Square	yes	
Teardrop	yes	
Trapezoid	yes	
Arc down	yes	
Arc Left	yes	
Arc Right	yes	
Arc Up	yes	
Bounce Left	yes	
Bounce Right	yes	
Curvy Left, Curvy Right	yes	
Decaying Wave	yes	
Diagonal Down Right	yes	
Diagonal Up Right	yes	
Down	yes	
Funnel	yes	
Heartbeat	yes	
Left	yes	
Right	yes	
S Curve 1	yes	

S Curve 2	yes	
Sine Wave	yes	
Spiral Left	yes	
Spring	yes	
Stairs Down	yes	
Turn Down	yes	
Turn Down Right	yes	
Turn Up	yes	
Turn Up right	yes	
Up Wave	yes	
Zigzag	yes	
Bean	yes	
Buzz Saw	yes	
Curved Square	yes	
Curved X	yes	
Curvy Star	yes	
Figure 8 Four	yes	
Horizontal Figure 8	yes	
Inverted Square	yes	
Inverted Triangle	yes	
Loop de Loop	yes	
Neutron	yes	
Peanut	yes	
Plus	yes	
Pointy Star	yes	
Swoosh	yes	
Vertical Figure 8	yes	
Draw Custom Path	yes	

Transitions

Blinds Horizontal	Strip Right-Up
Blinds Vertical	Strip Left-Down
Box In	Strip Right-Down
Box Out	Wedge
Checkerboard Across	Wheel Clockwise, 1 Spoke
Checkerboard	Wheel Clockwise, 2 Spokes
Down Dissolve	Wheel Clockwise, 3 Spokes
Fade Smoothly	Wheel Clockwise, 4 Spokes
Random Bars Horizontal	Wheel Clockwise, 8 Spokes
Random Bars Vertical	Wipe Left
Shape Circle	Wipe Right
Shape Diamond	Wipe Down
Shape Plus	Wipe Up
Split Horizontal In	Uncover Left-Down
Split Horizontal Out	Uncover Left-Up

Split Vertical In	Uncover Right-Down
Split Vertical Out	Uncover Right-Up
Strip Left-Up	

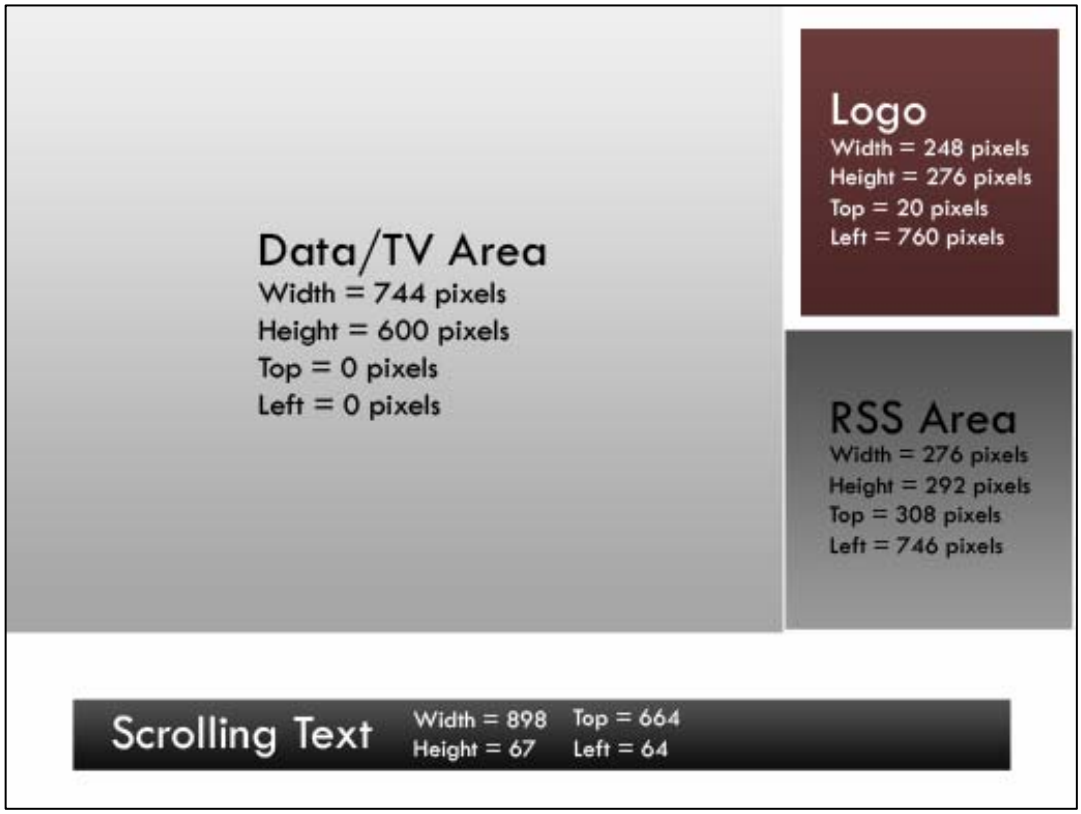
Appendix 3 – Template dimensions

Listed below are the positions of each element for each browser. These can be used when constructing your own skins.

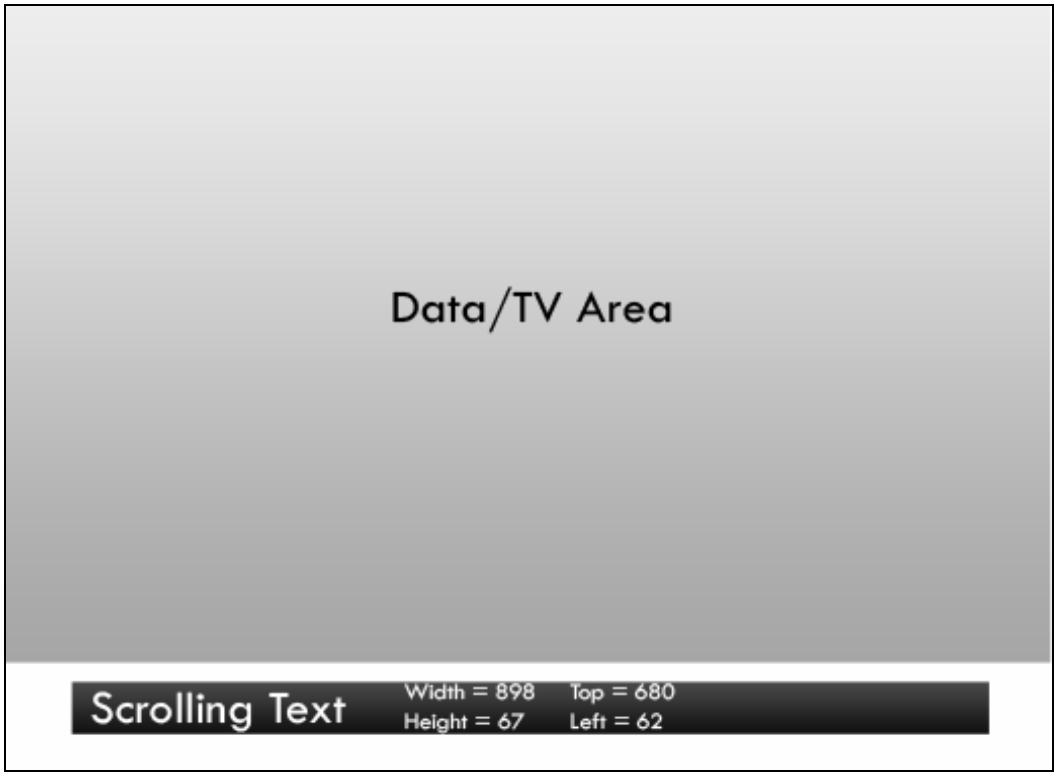
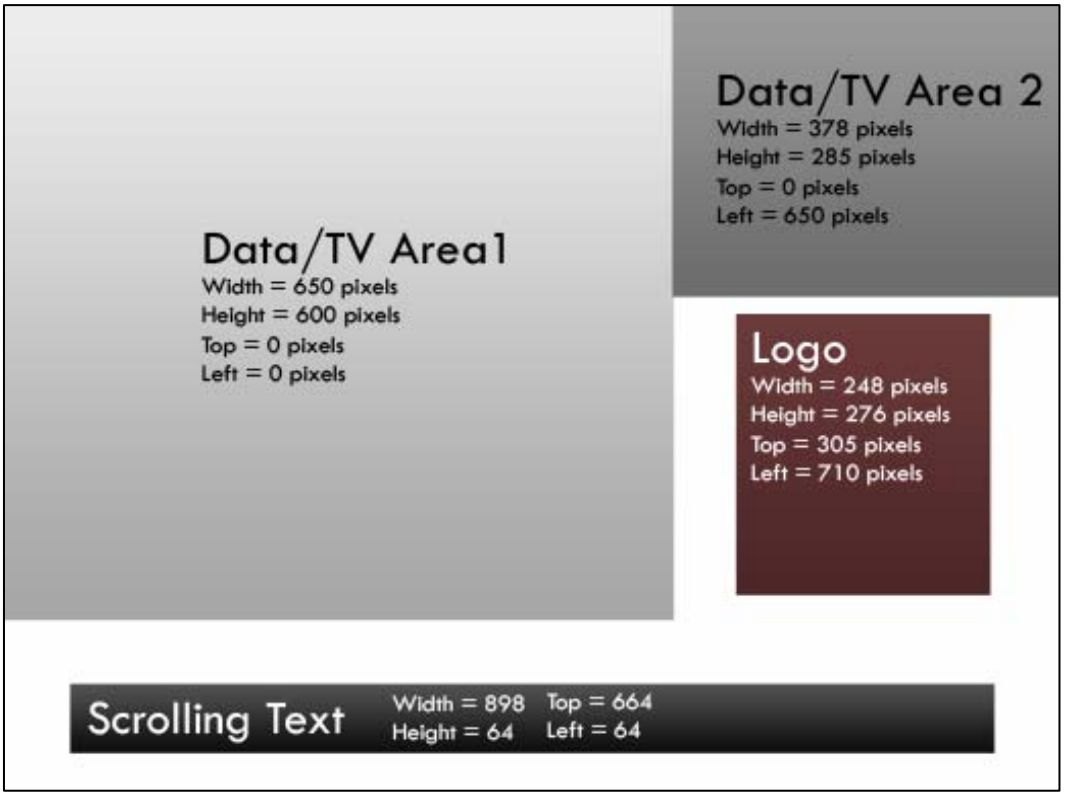
The measurements for each element are as follows:

- **Height**: The height of the browser item measured in pixels
- **Width**: The width of the browser item measured in pixels
- **Top**: The distance from the top of the screen to the top of the browser item measured in pixels
- **Left**: The distance from the left of the screen to the left of the browser item measured in pixels

Browsers 1 + 2 (1024x768 pixels)



Browsers 3 + 4 (1024x768 pixels)



Browsers 5 + 6 (1024x768 pixels)