EXHÍBÍO™

Exhibio™ M-Series Software User Manual
Software Version 4.1
May 2011

M-SERIES

Exhibio™ M-Series User Manual: Version 4.1

Dear Exhibio Digital Signage Customer,
Congratulations on your new Exhibio M-Series Multimedia Player purchase! We appreciate your business. For the best use and operation of the Exhibio Digital Signage Solution, please read through this Software User Manual before making any adjustments, and retain this document for future reference. We hope that you will enjoy working with your Exhibio Digital Signage Solution.

For assistance, please contact Exhibio at the following:

Phone:	**Within the USA:**	877.EXHIBIO (394.4246)
	International:	1.716.799.0410
	Please listen to the prompts for Exhibio Support.	
Web:	http://www.exhibio.com/support	

To purchase or inquire about accessories or other Exhibio products, please visit our website at http://www.exhibio.com or call the toll-free number above.

We highly recommend you register your system, either through the Exhibio Manager, via the web at http://www.exhibio.com/registration or by mailing in your registration card so that you may receive important information updates.
For peace of mind, and to protect your investment beyond the standard 1-year warranty, contact Exhibio for extended warranty contracts.

Write down your serial number located on the side of the system, or place the sticker from the shipping box here:

Serial Number _____

Purchase Date_____

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EXHIBIO SETUP

The 'Setup' button on the desktop will launch the 'Exhibio Setup Utility' where you may change the display resolution, manage users and passwords, check the system information, and change the preferences.

To access the 'Exhibio Setup Utility', first click on the 'Setup' button on the Exhibio Desktop.

Enter your 'administrator' user password, and select 'Login' when finished.
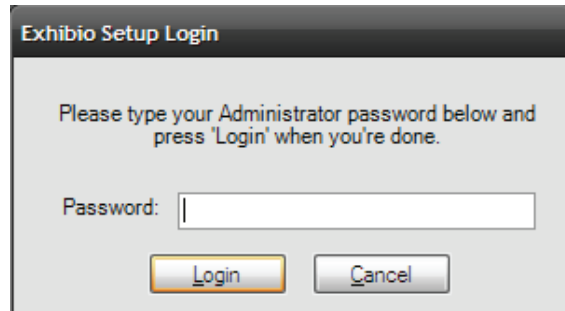
Display Resolution

Select the appropriate resolution for your display.

Consult your display's owner's manual to determine the optimal resolution, color bit depth, refresh rate, and aspect ratio.

You will typically want to choose a resolution with the same aspect ratio as your display to avoid having your content appear stretched out.
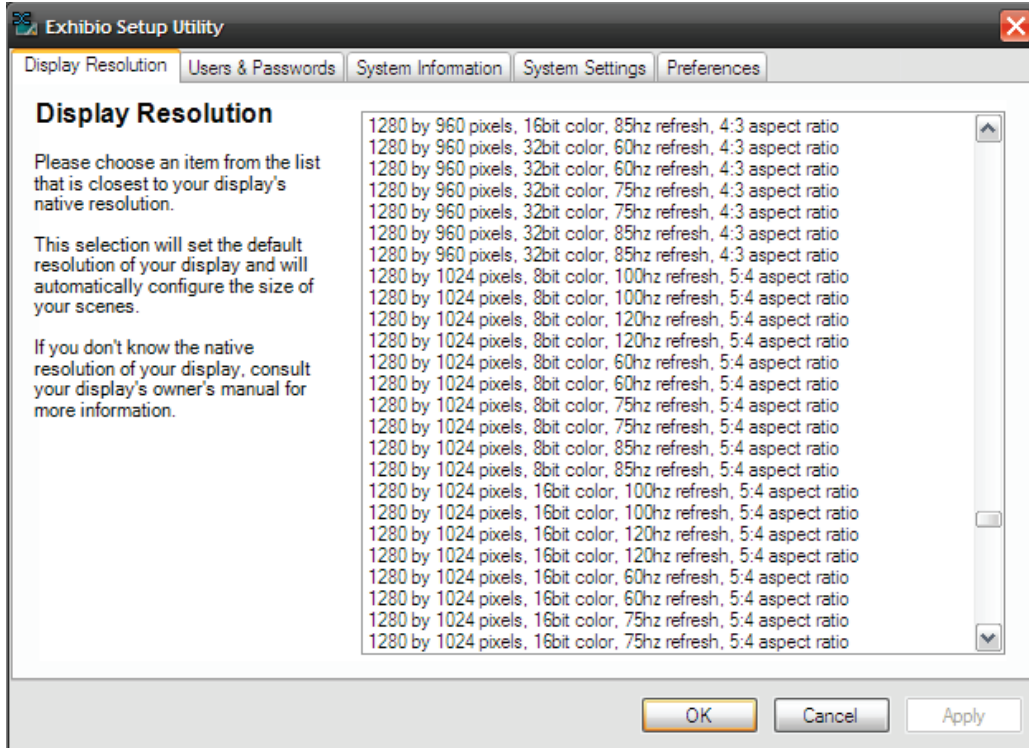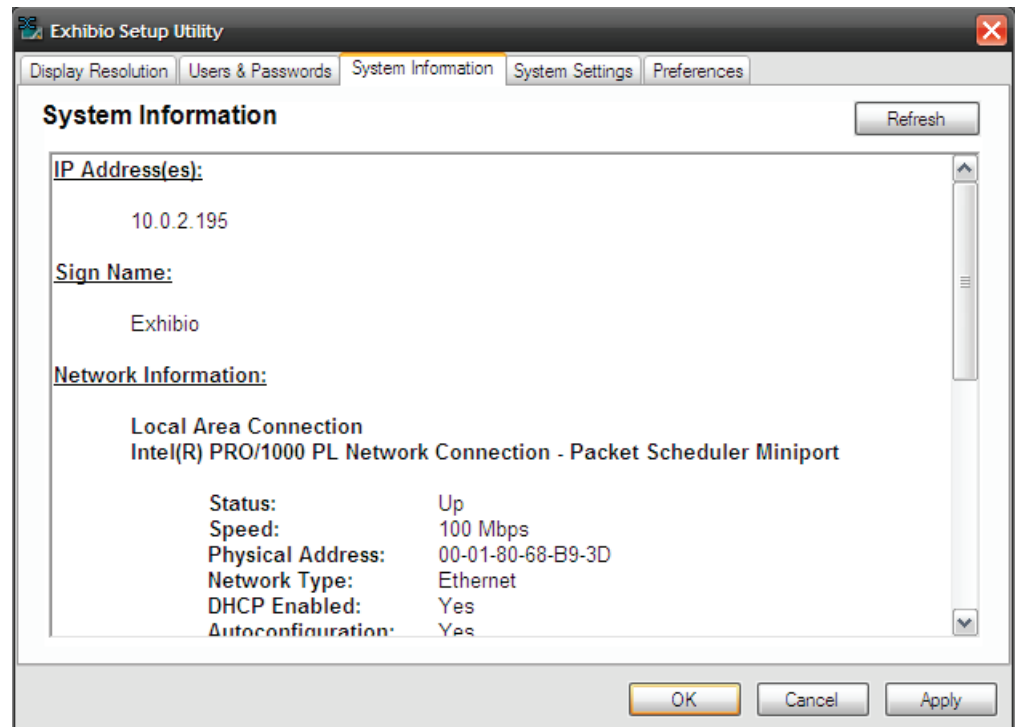
Users and Passwords

Change the Administrator and Exhibio user passwords.
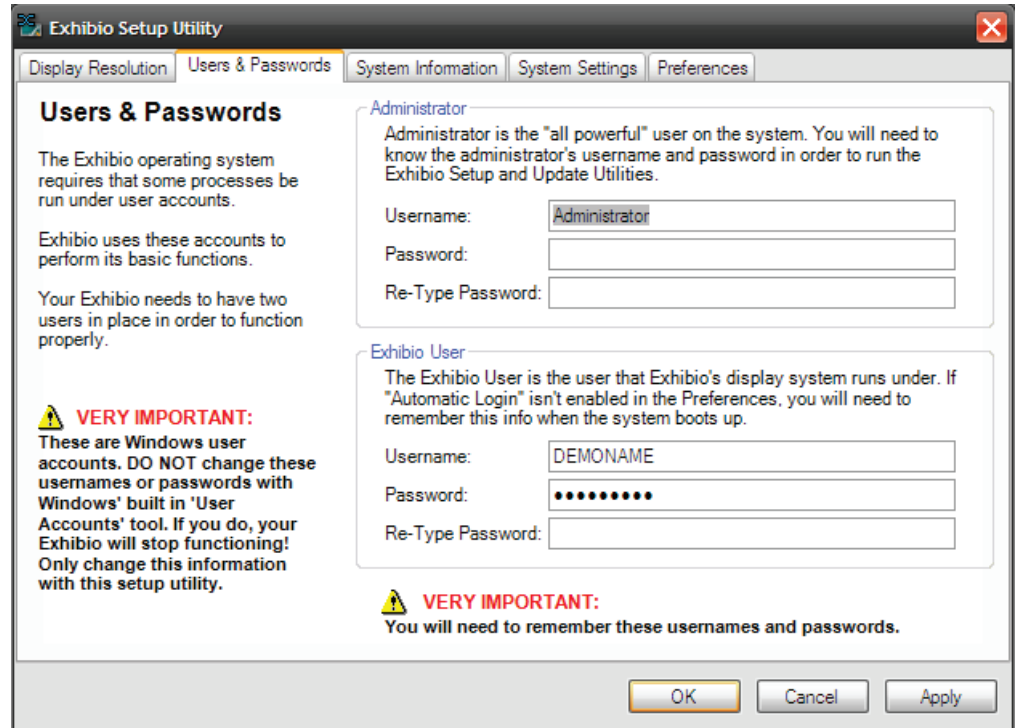
System Information

This window will provide information about the Sign, including the IP Address, Sign Name, Network Information, and Exhibio Services Status.


System Settings

The System Settings section will be discussed in detail in the next chapter, 'System Settings'.

Preferences

You may check 'Enable Automatic Logon' to automatically login to the correct Exhibio User Account upon restarting. Also, you may check 'Enable Detailed Error Messages'.

A section called Live Video will appear if you have installed Exhibio's Live Video Upgrade Kit.
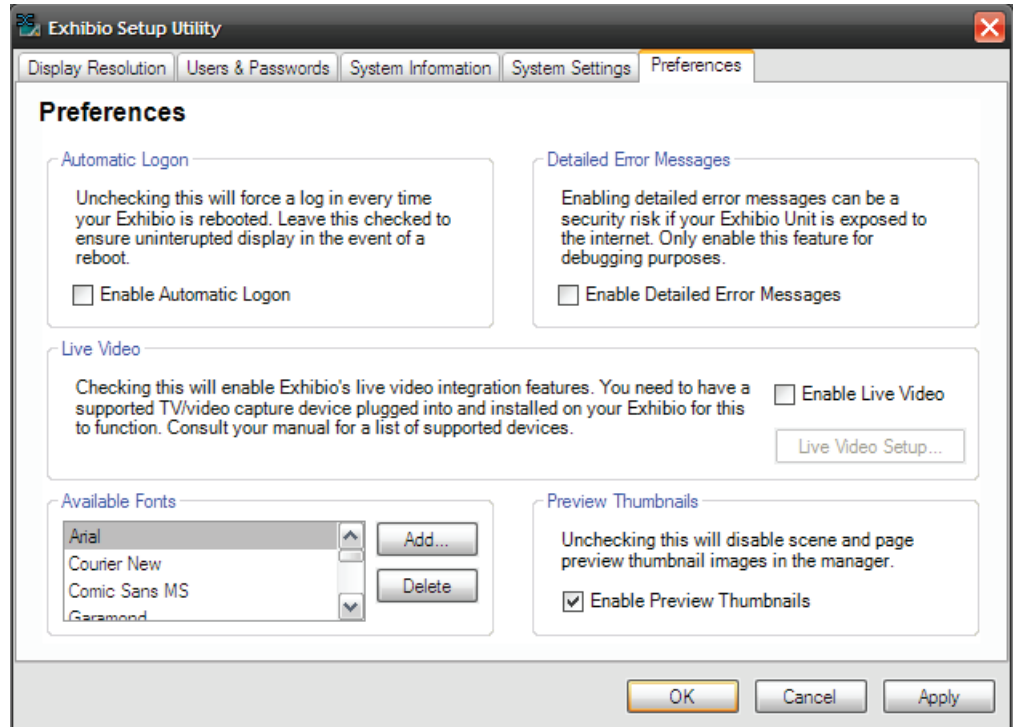

Enabling Live Video

Please Note: The Live Video Upgrade Kit must be purchased and installed to unlock this section.

Once it is installed, check the 'Enable Live Video' button, and then click on the 'OK button'.

Please wait for Live Video to activate. This may take several seconds.

Once activation completes, click 'OK' on the dialog box to display the Live Video Setup window.

Click 'OK' on the dialog box to add channels.
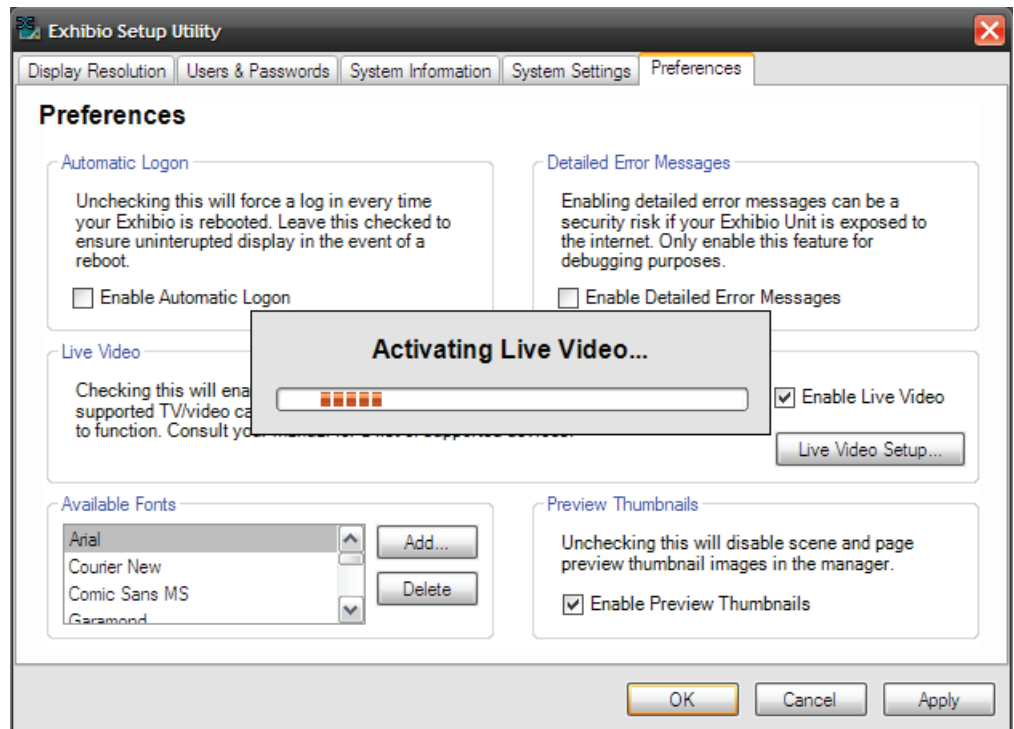
Analog Channels
For analog channel scanning, select either 'Antenna' or 'Cable', select your country, and then click on the 'Scan' button.

Digital Channels
For digital channel scanning, click on the 'Scan' button.

It may take the tuner several minutes to scan for channels. Please be patient as it pulls them in.

For a list of ATSC (Digital TV) transmissions in your area, input your Zip Code at http://www.titantv.com. When you see the TV guide information for your area, click the HD only button.

Digital TV reception requires an antenna capable of picking up a strong signal. Go to http://www.antennaweb.org to find out what type of antenna you will require.
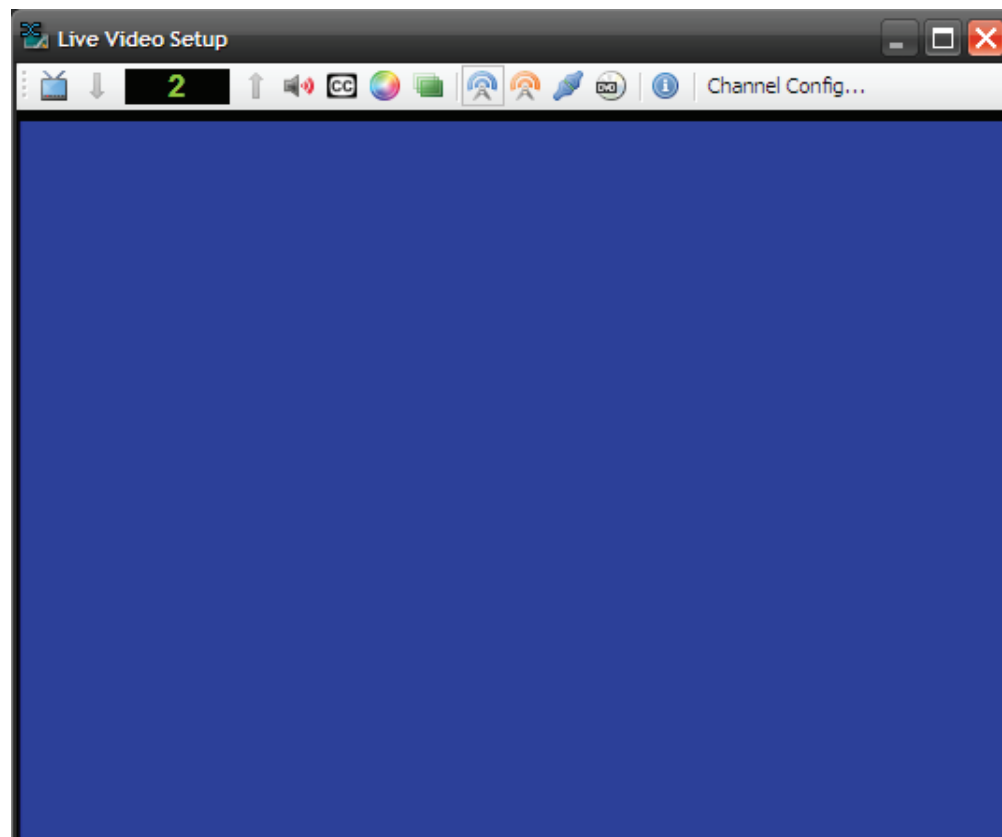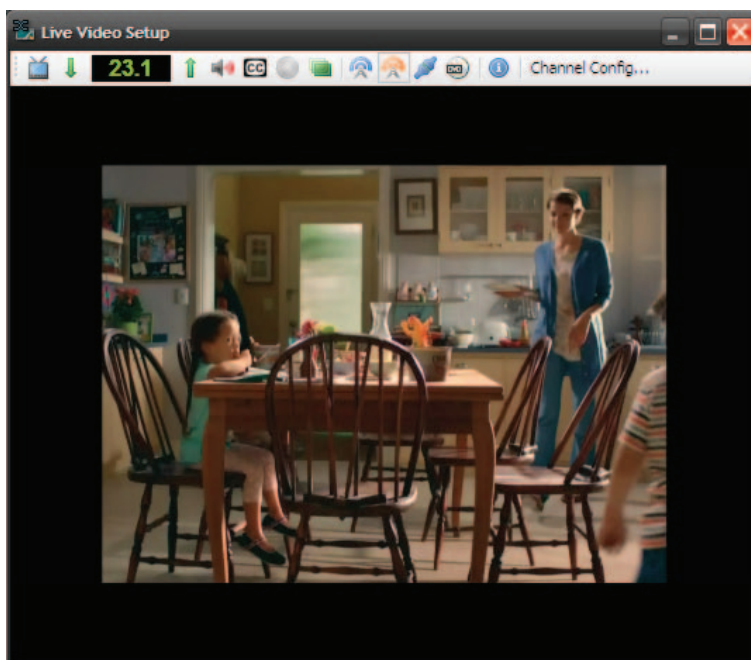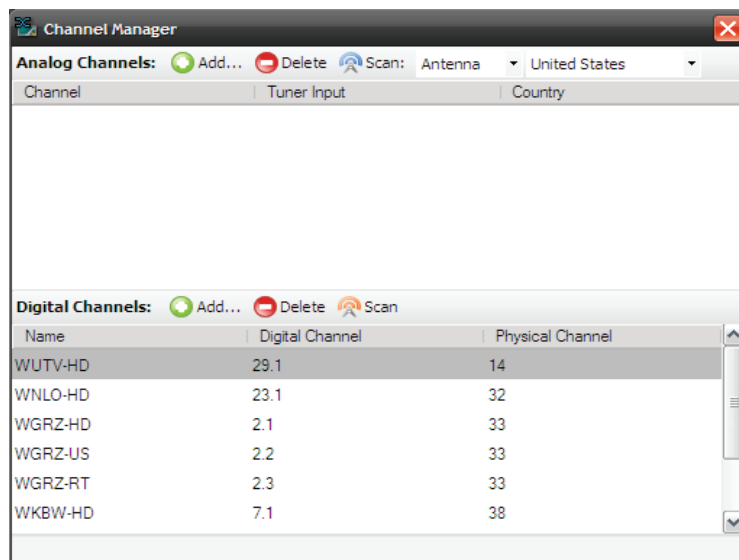
EXHIBIO SETUP

After scanning completes, a list of channels will be shown. In the background, the Live Video Setup window will be running the first channel that was found during the scan.

You may manually add or remove channels by clicking the 'Add...' and 'Delete' buttons. Close the Channel Manager dialog when you are finished.

Note: Digital TV is only available for users with approved TV Tuner devices and appropriate decoders installed. Please contact Exhibio, LLC for more information. Currently, only ATSC digital television is supported. As of January 1, 2010, the ATSC standard is used in the following countries: Bahamas, Bermuda, Canada, Costa Rica (in trials), Dominican Republic (in trials), Guatemala (in trials), El Salvador, Honduras, Mexico, Nicaragua (in trials), Philippines (in trials), South Korea, and the United States. It is also used in the U.S. territories of American Samoa, Guam, Northern Mariana Islands, Puerto Rico, and the U.S. Virgin Islands.

You may change the channel up and down to preview your video source. Once complete, close out of the Live Video Setup window. Then click on the 'Finished' button on the 'Exhibio Setup Utility'.
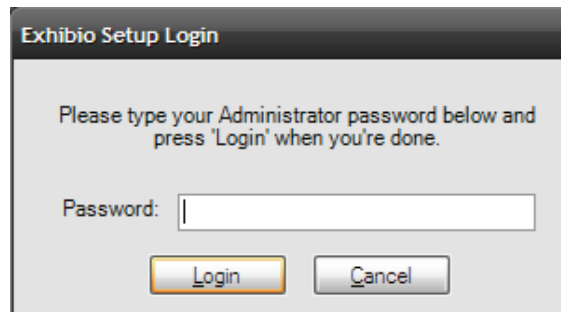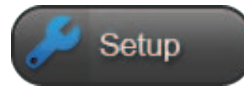
SYSTEM SETTINGS

Full administrative controls may be found in the 'System Settings' section of the 'Exhibio Setup Utility'.

To access the 'System Settings' section, first click on the 'Setup' button on the desktop.
Enter your Administrator password, and select 'Login' when finished.

Select the 'System Settings' tab at the top of the new window. All icons in this area are now accessible for administrative changes.
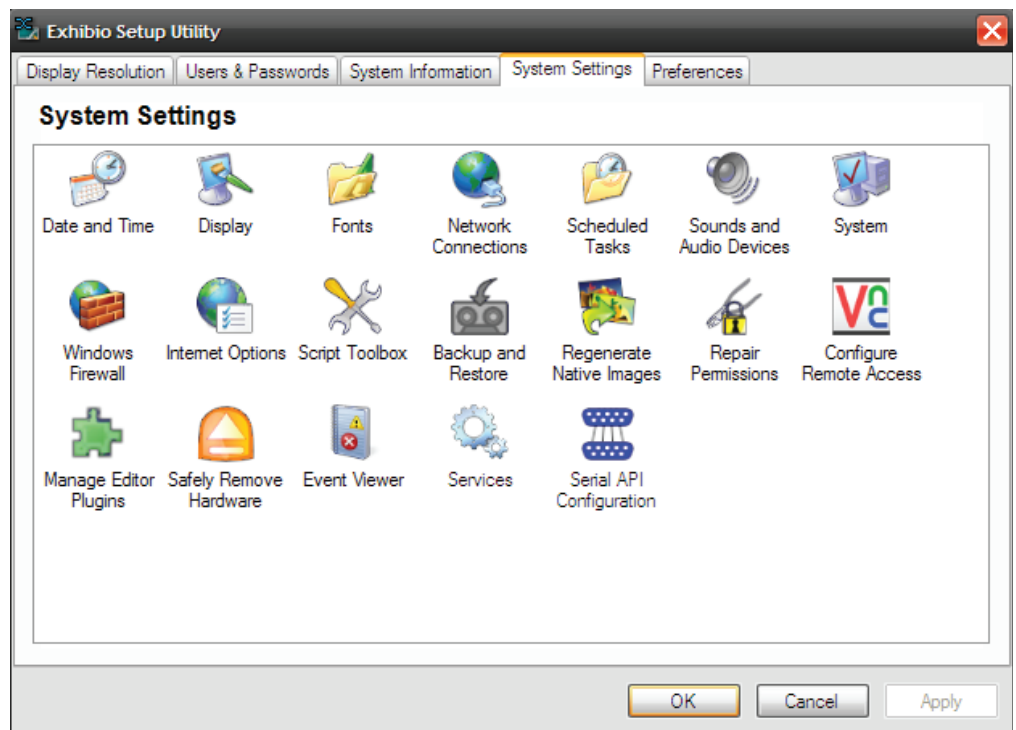
Date & Time

Click on the 'Date and Time' icon in the 'System Settings' menu.

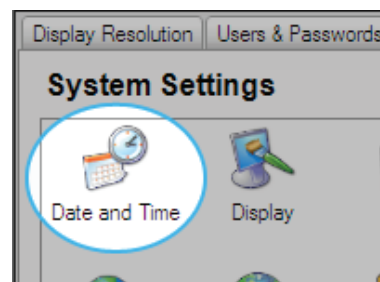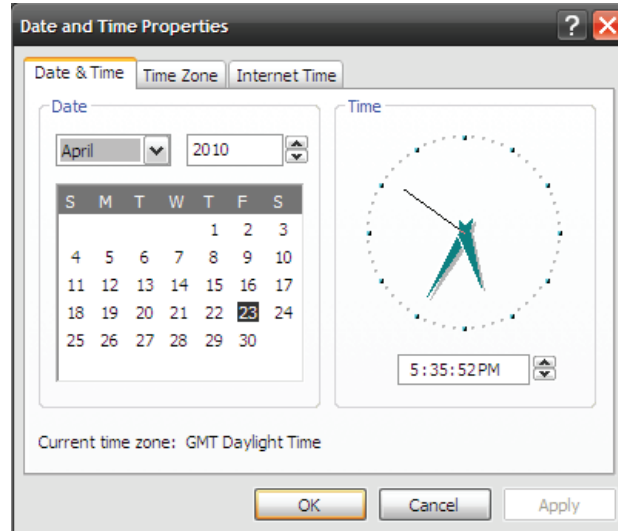# SYSTEM SETTINGS

Select the date, and change to your local time. Also, you may click on the 'Time Zone' tab at the top to change time zones, and enable Daylight Savings Time. Click 'OK' when finished.


Display

Click on the 'Display' icon in the 'System Settings' menu. For further information on your display settings, please refer to your 'First Time Setup Guide' as these settings are specific to hardware platforms.

Adding Fonts

1. Click on the 'Fonts' icon in the 'System Settings' menu.

2. Click on 'File' and select 'Install New Fonts'. Select the folder you wish to add new fonts from, and then select 'OK'.

3. When finished, close the 'Fonts' folder, and click the 'Preferences' tab within the Exhibio Setup Utility.

4. Click on the 'Add' button under the 'Available Fonts' section.

5. Use the scroll bar under the 'Font' section to find the font you wish to add. You can use the 'Font Style' and 'Size' settings to preview how your font will look. Press the 'OK' button when you're done.

6. To add more fonts, repeat step 4.

7. Once you have added all of your fonts, click on the 'OK' button in the Exhibio Setup Utility.
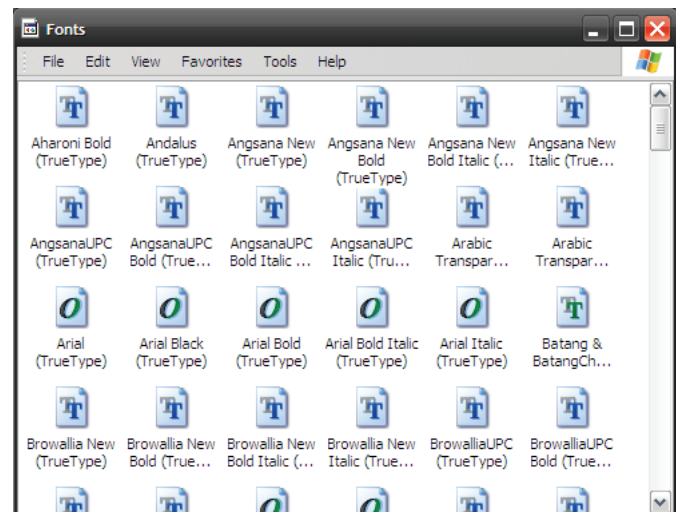
Network Connections
Click on the 'Network Connections' icon in the 'System Settings' menu.

To change the properties of a connection, such as inputting a static IP address, right-click on your LAN connection and select 'Properties'.

Select 'Internet Protocol (TCP/IP)' and then select 'Properties' to the right.
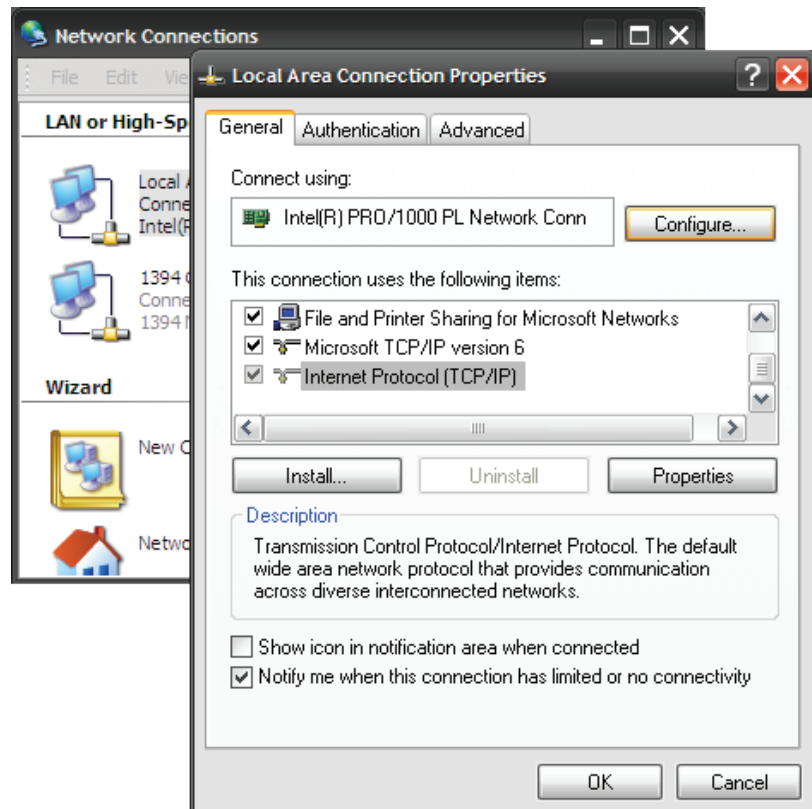
SYSTEM SETTINGS

Select 'Use the following IP address' and input the IP Address, Subnet mask, and default gateway. Next, enter the preferred and alternate DNS servers. Once finished, click 'OK', then 'OK' on the Connection Properties window. Close out of the Network Connections dialog, and then click 'OK'.
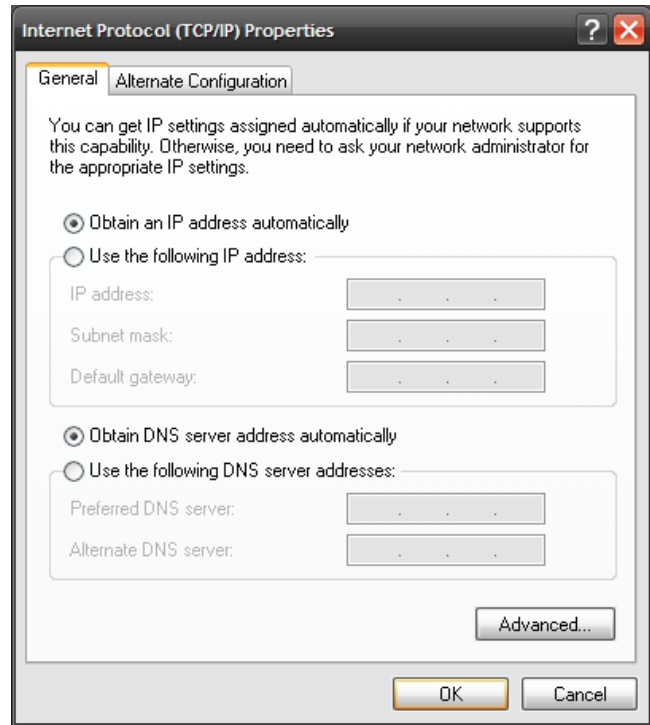
Scheduled Tasks

Click on the 'Scheduled Tasks' icon in the 'System Settings' menu.

From this dialog, you may add a new scheduled task, or edit an existing scheduled task. When complete, close out of this window, then click 'OK' on the Exhibio Setup Utility.
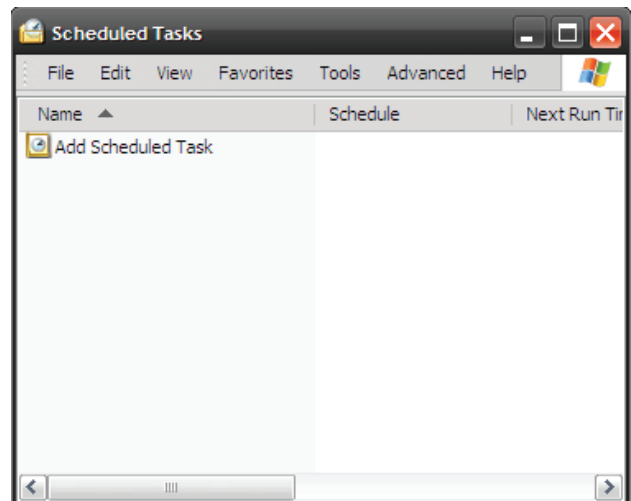
Sounds and Audio Devices

Click on the 'Sounds and Audio Devices' icon in the 'System Settings' menu.

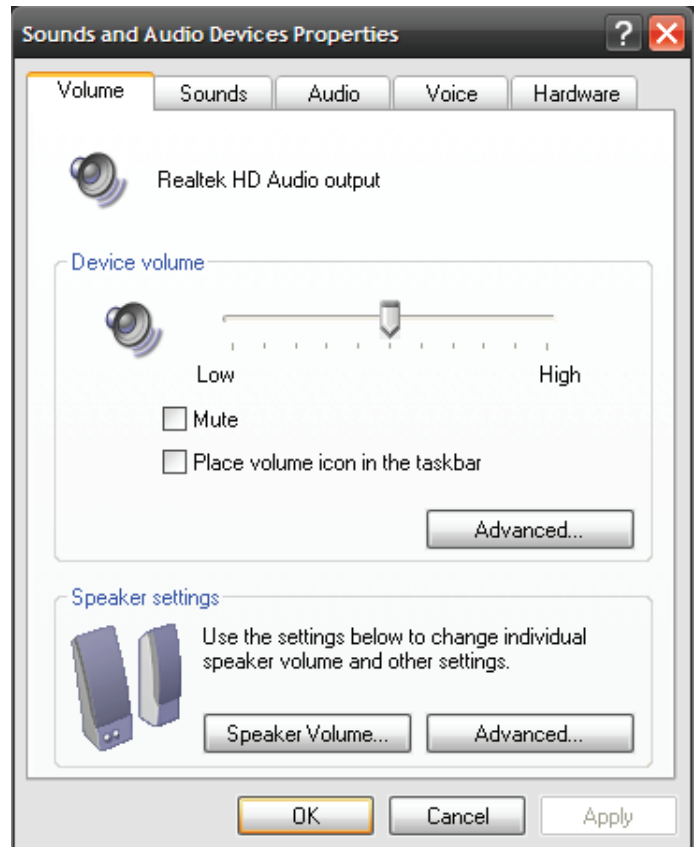You may check or change your audio settings in this window, including volume controls and advanced settings. After changing settings, click 'OK' in this window, then select 'OK' on the Exhibio Setup Utility.

System

Click on the 'System' icon in the 'System Settings' menu.

The 'General' tab will provide information regarding the OS and hardware on the Exhibio device.

Click the 'Computer Name' tab to change the Computer Description or join a domain.

Click the 'Hardware' tab to check the Device Manager, Drivers, and Hardware Profiles.
Note Do not use the 'Windows Update' through this window. All Windows updates are provided through the 'Exhibio Update Utility' found on the main desktop of the Exhibio unit.

Click the 'Advanced' tab to check system performance, user profiles, and recovery settings.
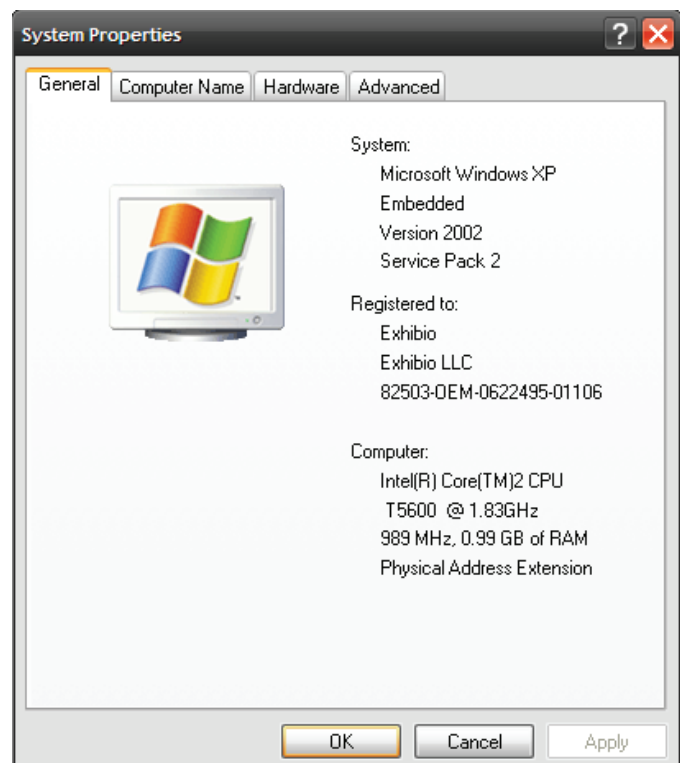
SYSTEM SETTINGS

Windows Firewall
Click on the 'Windows Firewall' icon in the 'System Settings' menu.

The Windows Firewall is turned on by default. If you wish to turn this off, select 'Off (not recommended)' towards the bottom of this window.

Click the 'Exceptions' tab to add programs or ports, as well as to edit or delete any existing exceptions.

Click the 'Advanced' tab to change network connection settings, security logging settings, ICMP settings, and restore the default firewall settings.

Once complete, select 'OK' to save and exit, and then select the 'OK' button on the Exhibio Setup Utility.

Internet Options
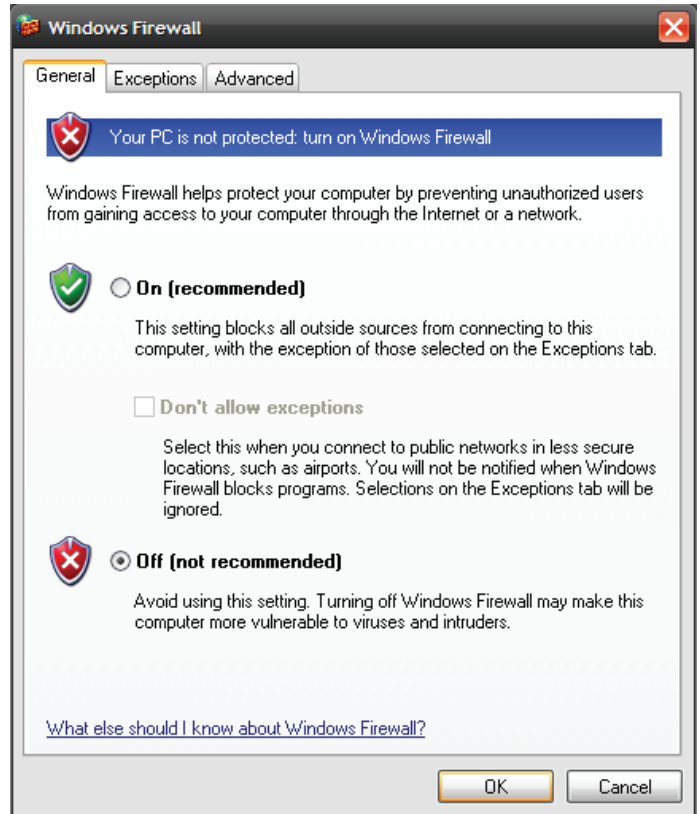Click on the 'Internet Options' icon in the 'System Settings' menu.

Change Proxy Settings

Click on the 'Connections' tab at the top, and then click on the 'LAN Settings' on the bottom right.

Check 'Use a proxy server for your LAN' and enter the Proxy Server Address in the 'Address' field. Also, click on 'Advanced' and input the Proxy Server into the HTTP field. It's not necessary to use a Proxy for Secure, FTP, or Socks.

Click 'OK' on the 'Proxy Settings' window, click 'OK' on the 'LAN Settings,' then click 'OK' on the 'Internet Properties' window.
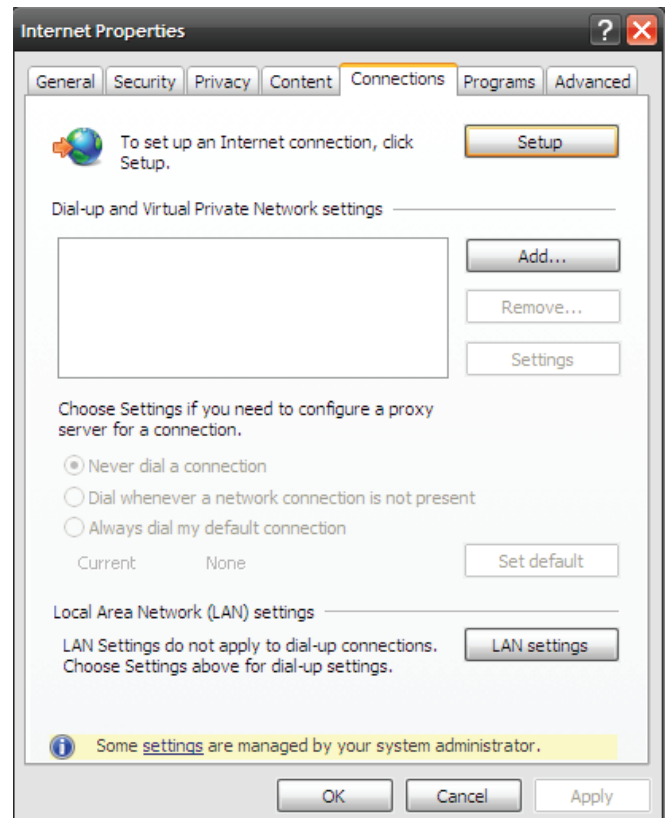
Script Toolbox

For information on using the 'Script Toolbox' tool, log into the Exhibio Manager and click on the Help Section in the top right hand corner. From there, click on Manuals & Guides, and then select 'Exhibio Platform Developers API'.

Backup and Restore

This tool allows for easy backup of all Exhibio-relevant data and information.
To access the Backup and Restore tool, click on the 'Backup and Restore' icon in the 'System Settings' menu.

Create Backup Zip File

First check the information/data which you would like to backup. It will automatically name the file, but you may type your own file name if desired. Then browse for an external location to save this backup file to. Finally, select 'OK' and the utility will complete the backup.

Restore from Zip File

First click on the 'Browse' button to locate the .zip file to restore your information/data from. Then, click the 'Open' button to pull in the information which is available for restoration. Select the items to restore, and then click on 'Restore'. The utility will now restore all selected items back into your Exhibio system.

Please reboot your Exhibio System after completing a Restore.
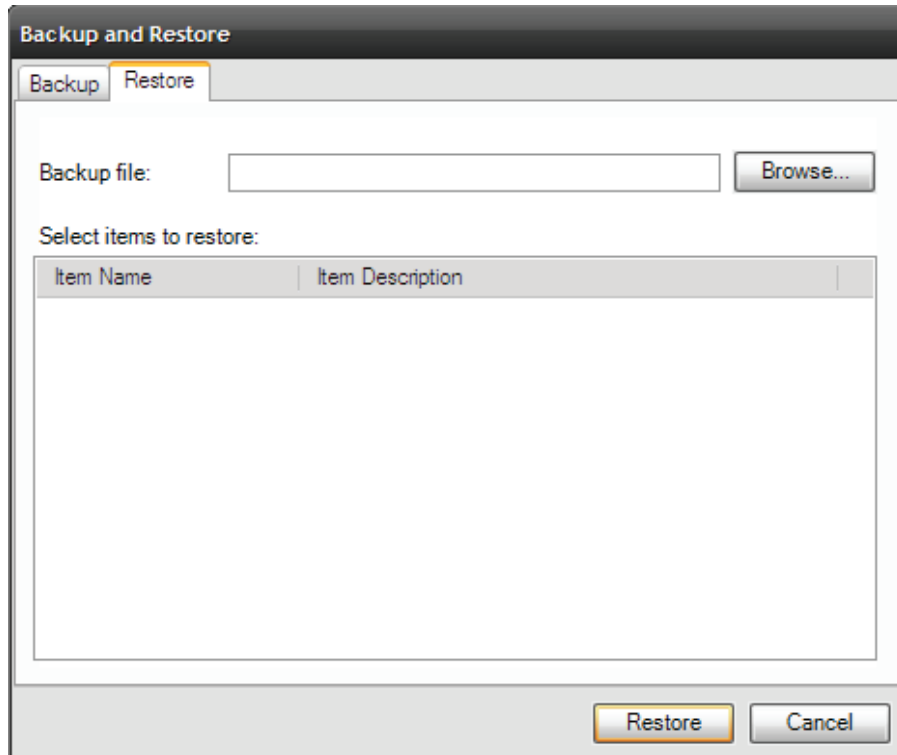
Regenerate Native Images

This application regenerates native images of all the Exhibio applications on the system. You may need to run this utility if you are experiencing random errors, or you have recently updated the Exhibio Software. To access the Regenerate Native Images tool, click on the 'Regenerate Native Images' icon in the 'System Settings' menu. Then, click on the 'Regenerate Images' button.

Repair Permissions

This application allows you to reset the security settings on the folders in an Exhibio Software installation to their correct, factory-default state. Running this program may be necessary if you have changed folder security settings manually, or if you have inadvertently run an application that alters folder security settings. To access the Repair Permissions tool, click on the 'Repair Permissions' icon in the 'System Settings' menu. Then, click on the 'Repair Permissions' button.

Configure Remote Access

To use the Remote Access tool, click on the 'Configure Remote Access' icon in the 'System Settings' menu. You may connect to the Exhibio system remotely via a java viewer or a desktop application. Below are setup instructions for each.

RealVNC Setup – Desktop App

1. Check 'Allow VNC Viewers to connect to this server' to enable VNC access.
2. Then select 'Advanced…'
3. Ensure 'Accept connections on port' is checked, and either keep the default port or set your own. Note: If you change the port, you may need to change the firewall settings. Once complete, click on the 'OK' button.
4. From your remote machine, go to http://[sign ip]/realvnc/vncviewer.exe to download and install the application to your desktop.
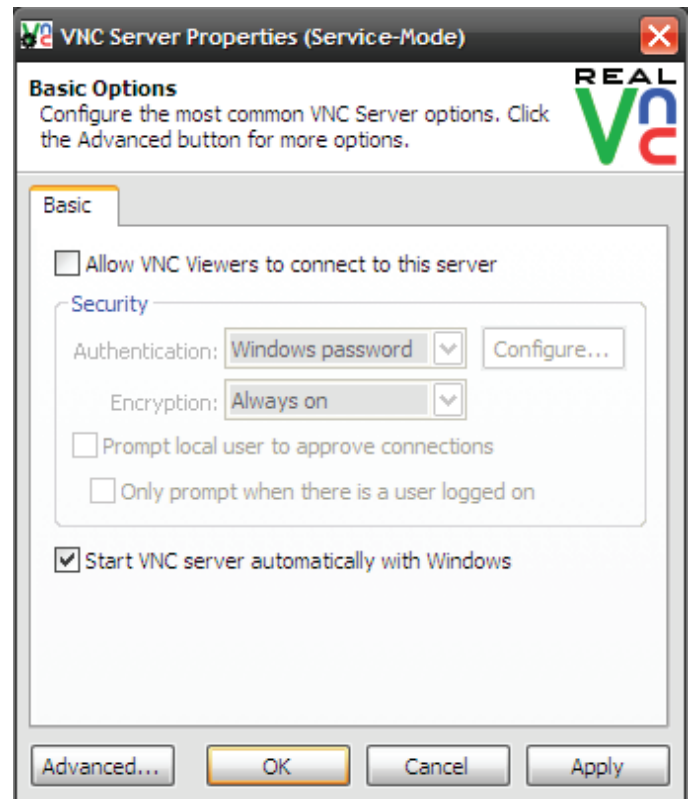
5. Enter in your Exhibio Sign IP Address, and select 'OK'.
6. You now have remote access of the Exhibio System.

   For detailed instructions or support, please visit http://realvnc.com/support

SYSTEM SETTINGS

RealVNC Setup – Java App

1. Check 'Allow VNC Viewers to connect to this server' to enable VNC access.
2. Then select 'Advanced…'
3. Ensure 'Serve Java viewer on port' is checked, and either keep the default port or set your own. Note: If you change the port, you may need to change the firewall settings. Once complete with the settings, click on the 'OK' button.
4. From your remote machine, open your web browser, and go to http://[sign ip]:[java viewer port] which will then pull up an authentication dialog box. From there you have remote access to the Exhibio System.

   For detailed instructions or support, please visit http://realvnc.com/support
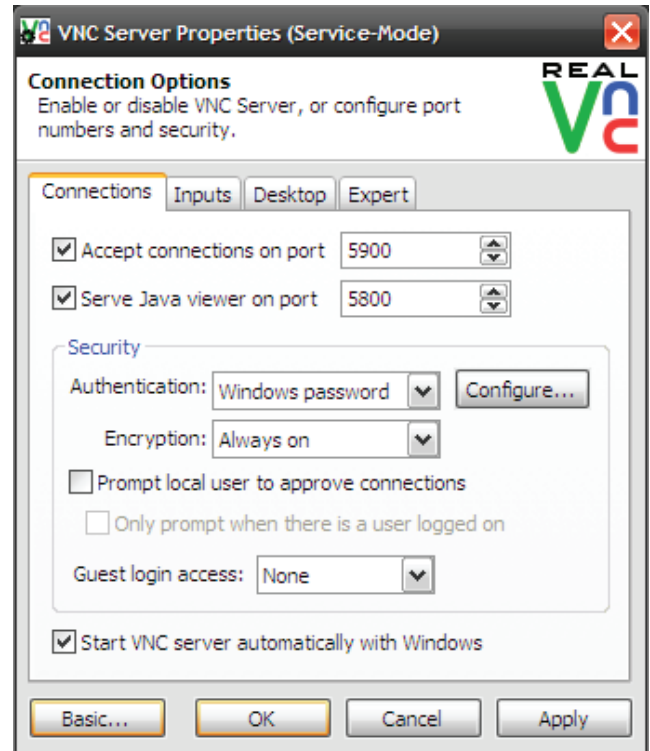
Manage Editor Plugins

The plug-In manager allows you to create your own plug-in buttons within the Exhibio Manager. Your new button will be placed within the Editing Tools section of the Exhibio Manager. Below is a screenshot showing where your plug-in will be placed.
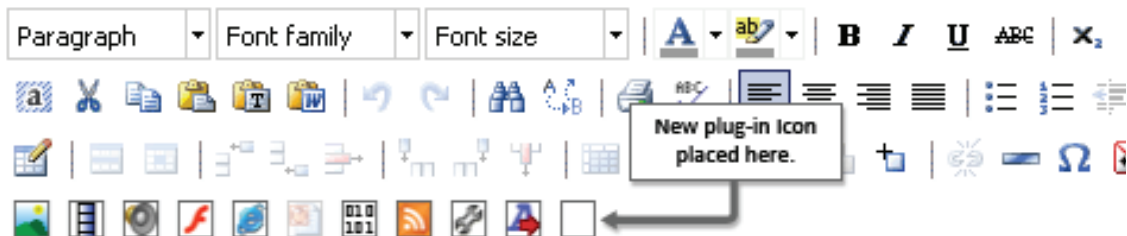
For information on using the 'Manage Editor Plugins' tool, log into the Exhibio Manager and click on the Help Section in the top-right-hand corner. From there, click on Manuals & Guides, and then select 'Exhibio Platform Developers API'.

Safely Remove Hardware

To access the Safely Remove Hardware tool, click on the 'Safely Remove Hardware' icon in the 'System Settings' menu.

Use this tool to remove hardware or devices plugged into the Exhibio system's USB ports. Just select the hardware device you would like to remove, and then click the 'Stop' button. Once it's gone from the dialogue box, click on the 'Close' button.
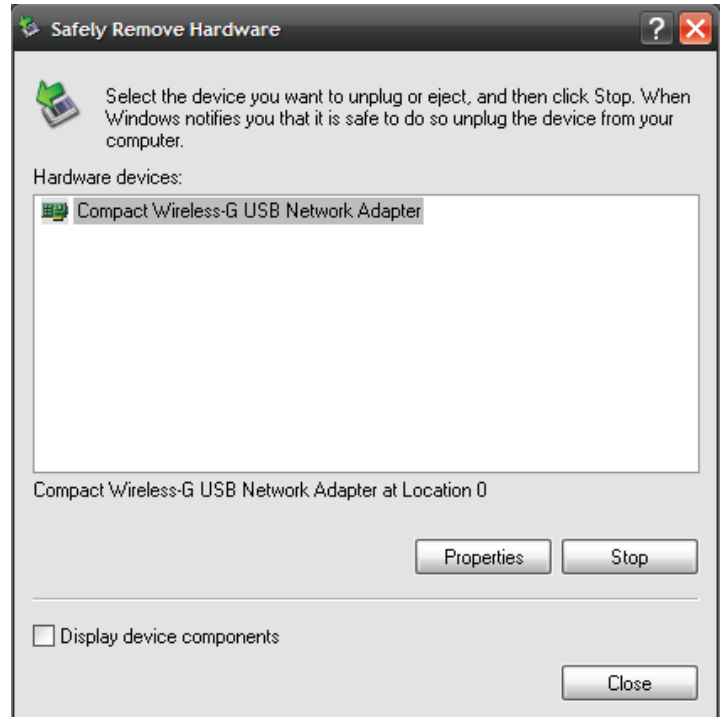
Serial API Configuration

Click on the 'Serial Control API' icon in the 'System Settings' menu.

From the dropdown menu, select your desired COM port. Click the 'Save' button when you are finished.
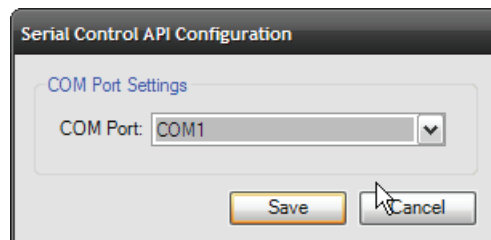
For more information on this feature, see the Serial Control API Customization guide located in the 'Help' section in your Exhibio unit's software.

EXHIBIO MANAGER

The Exhibio Manager is a browser-based content management system. It is fully integrated into the Exhibio unit and does not require additional installation on other PCs.

Accessing the Exhibio Manager

You can access the Exhibio Manager from any compatible web browser on any computer that has Internet or network access to the Exhibio Unit. This is accomplished in one of three ways:
1. On your Local Area Network (LAN): Access the system using an internal IP address or name.
2. Over the Internet: Your network administrator will need to expose the system's built-in web server to the public Internet. Access the system using its public IP address or name.
3. Directly on the display: Stop the sign display by pressing the 'Esc' key, and access the Exhibio Manager by clicking 'Manage' or double-clicking the 'Exhibio Manager' icon. When you have finished modifying the content within the Exhibio Manager, you can restart the sign display by double-clicking on the 'Start Exhibio' icon.

System Requirements

The Exhibio Manager is accessible from your personal computer using any of the web browsers listed below.
- Microsoft Internet Explorer 6.0 or higher for Windows (Strongly recommended – Some features may not function properly in other browsers.)
- Mozilla Firefox 2.0 or higher (Windows and Mac)
- Opera 9.2 or higher (Windows and Mac)
- Safari 3.0 or higher (Windows and Mac)

Note *The Macintosh version of Internet Explorer is not compatible with the Exhibio Manager. Cookies and JavaScript MUST be enabled in all web browsers.*
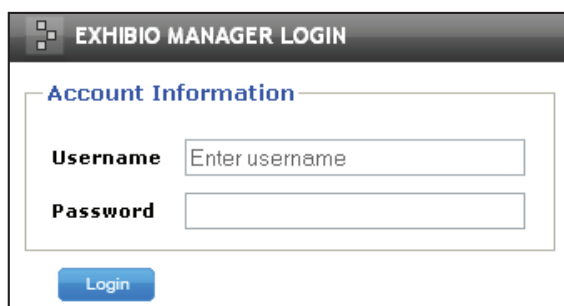
Hardware

A Pentium 4 class PC or higher is recommended. We also recommend using a monitor with a resolution that is at least as high as your display device. Lower resolution displays will show only a portion of the preview, forcing you to scroll horizontally and/or vertically to see the entire preview window. For example, if you use the Exhibio system with a 40" LCD display with a resolution of 1366x768, and you access the Exhibio Manager via a 17" monitor with a resolution of 1024x768, you will only see a portion of the preview.

Important *Set your Internet Explorer font size to 'Medium'. This will ensure that what you see in the Manager matches what is seen on the display.*

Logging In

Enter your Exhibio username and password.

First Time Login: The first time you access the Exhibio Manager, the default username and password are both "exhibio" (all lowercase).
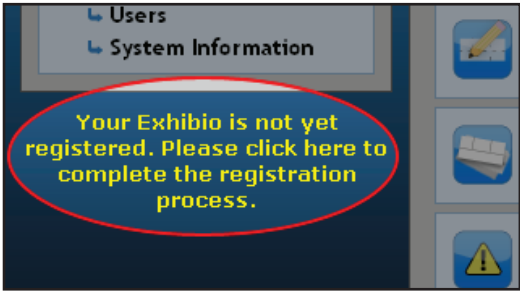
Product Registration

By registering, you will receive emails regarding important software updates and product information.

1. Towards the bottom left, you will notice yellow text stating that your Exhibio system is not yet registered. To register, please click on the text.
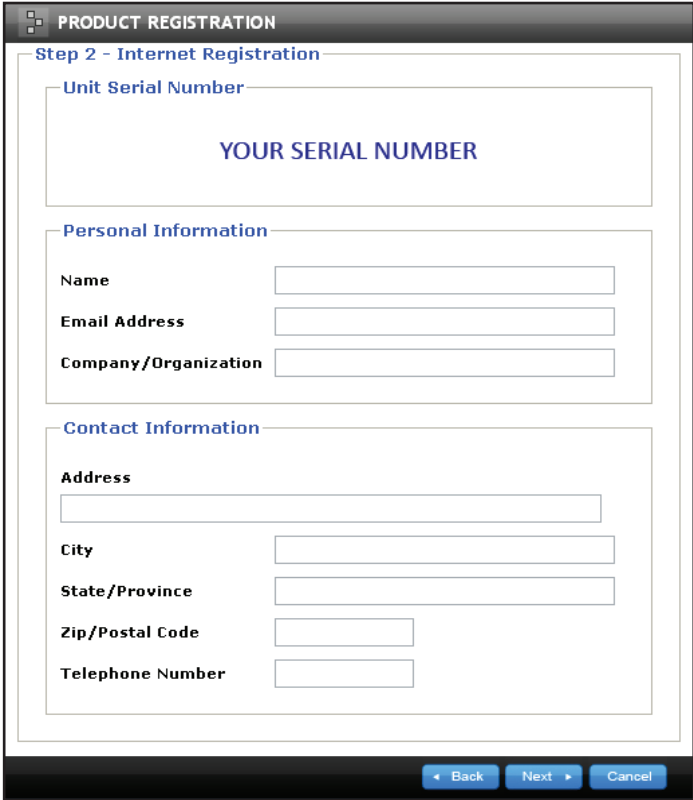
2. If your Exhibio system has access to the Internet, choose 'Register Over The Internet' and click 'Next'. If it doesn't have access to the Internet, click on 'Register by Phone' and click 'Next'.

3. For Internet Registration, fill out the form and click 'Next'. Then click 'Finish'.

   For Phone Registration, please call the number shown on the screen to register your product.

Main Page

The first screen to appear after logging into the Exhibio Manager is shown below. From this page, you can access all areas of the content management system.

Home

In the upper left is a 'Home' button, which is accessible from all levels of the software. This button will take you to the main menu, titled "Manage Exhibio".

Side Menu

The left portion of the page contains a menu which is shown in most windows. The menu allows you to easily navigate between areas.

Main View

The center section is the dynamic section which changes based on your selected task or view.
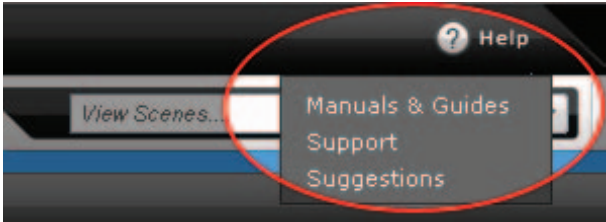
View

Towards the top right, 'View' is always available for you to preview the content saved on your system.

Help Section

The 'Help' button will bring up a small drop-down menu, as illustrated to the right.

If you click on 'Manuals & Guides', you will have access to the Exhibio Software Manual, and the Platform Developers API documentation. These are in Adobe Reader Format (PDF). The 'Support' option directs you to the Exhibio Website for support and contact information. The 'Suggestions' option directs you to the Exhibio Website Suggestion area. If you have a feature suggestion for the Exhibio Digital Signage System, we would love to hear about it.

Information Bar

A yellow 'Information Bar' (pictured below) may appear at the top of your browser window with important information regarding your system. Click the 'here' link to view a drop-down of useful advice regarding the issue. To close the message, click on the red 'X' at the right of the bar.

Start/Stop Sign

Clicking on the 'Start/Stop Sign' button will query the sign for its status. If the sign is currently playing, you may click on 'Stop'. Alternatively, if the sign is stopped, you may click on 'Start', which will begin playing the scheduled scene.

Create & Manage Content
Click the 'content' link in the main window.

Page Tools
By default, the Page Tools are visible. To hide the Page Tools, click on 'Hide Page Tools'. In this section, you will see a thumbnail image of each page created for this sign. By default, each page created will appear in sequence on your sign.

Add a Page

To add a page, click the **Add Page +** button.

Select a Page
To select a page to work on, click the thumbnail image of the page. The canvas area located below will change to the page you wish to work on.

Delete a Page
To delete a page, first click the thumbnail image of the page you wish to delete. The canvas area located below will change to this page. Then click on **Delete Page -** and the page will be removed. This action cannot be undone.

Reorder Page
Pages will appear on a live display in the same order they appear here, with the leftmost page appearing first. To change the order in which the pages are displayed, select a page and use the arrow buttons, ◄ and ►, to change its place in the order.

Campaign Settings

The procedure for adding a Campaign and Account is shown in the 'Advertising Campaigns' section of this Software Manual.

Page Setup

By default, the Page Setup will be hidden. To show the Page Setup options, click on 'Show Page Setup'.

Text

The default font, color, and style (typeface) settings are controlled by their corresponding drop-down menus. To change the font size, click in the textbox and type in the number of points (pt).

Background

Background color, image position, and tiling are controlled by their corresponding drop-down menus.

Changing the Background Image

Changing or adding a background image is accomplished by clicking on either the [Change] button or the [Remove -] button. You will then see the current background image repository, and the image browsing and uploading utility.

If the image you want to add is not in the current image repository, click the 'Browse' button and select it from its current location. Once the location of the image appears in the textbox to the left of the 'Browse' button, click on the 'Upload Image' button.
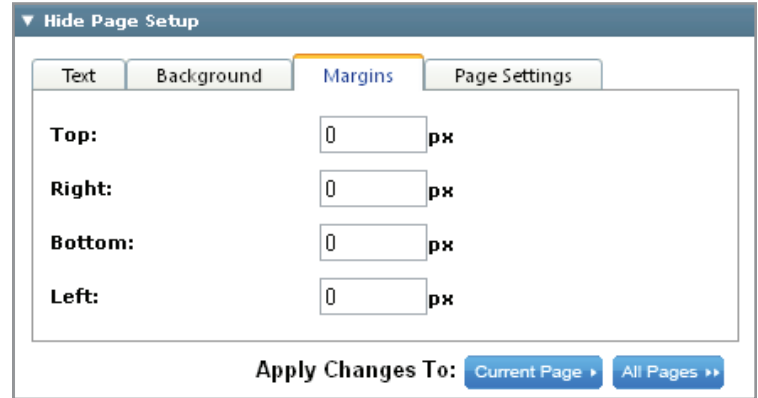
To use an image listed in the Background Image Repository as the page background, click the [+] button.
If you want to permanently delete an image from the Repository, click the [-] button.
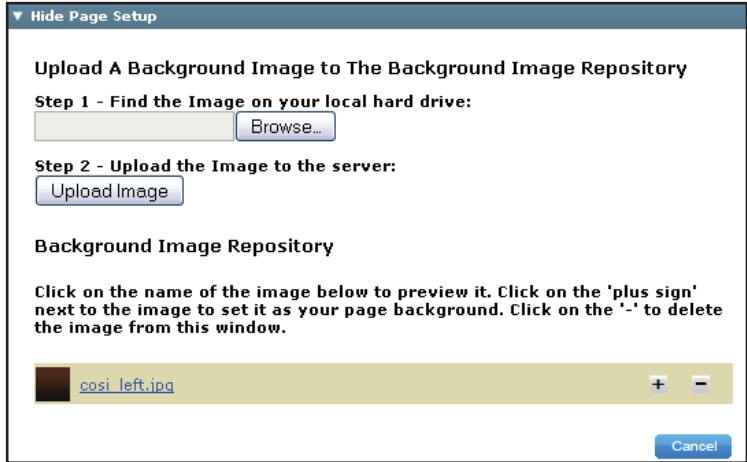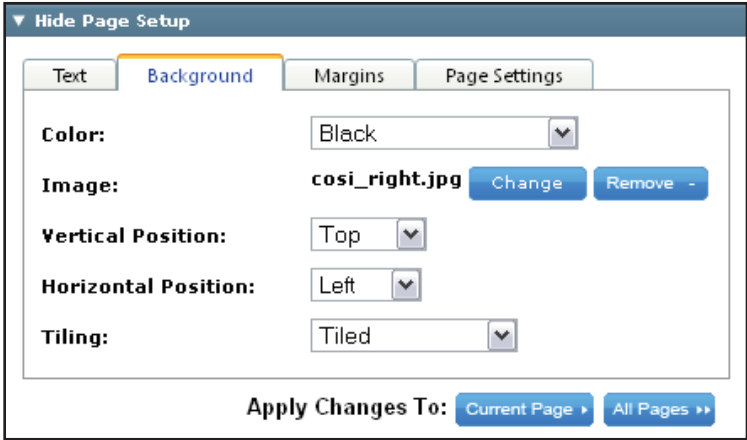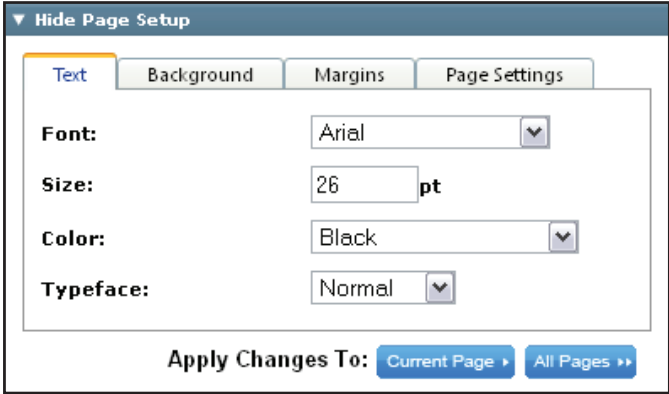
Margins

Adjust the page margins by selecting the textbox next to the margin title and typing in the number of pixels (px).

Page Settings

Duration: Measured in seconds, duration shows the length of time the page will be displayed before the next page appears. Page duration only applies if two or more pages are active in the pane.

Scroll: Selecting Right to Left, Left to Right, Up, or Down will scroll all of the content within the page.

Transition: This setting handles how the previously scheduled page transitions to the current one.

Active Checkbox: Checking this box puts the selected page in the active playlist for this pane. If this option is unchecked, the page will be skipped whenever the scene plays.
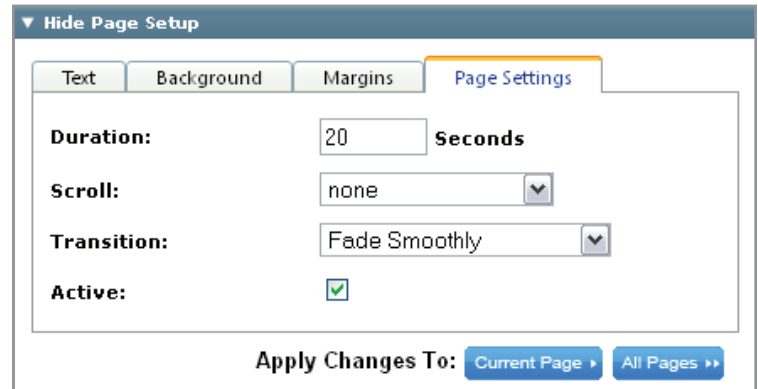
Applying your changes

Apply your changes to the current page or to all the pages in the pane by clicking either Current Page or All Pages. If you apply the changes to all pages within the pane, all current attributes will be copied onto all of the pages. Individual attributes cannot be applied to all pages.

Editing Tools

By Default, the Editing Tools are visible. To hide the Editing Tools, click on 'Hide Editing Tools'.

*A.	Font Toolbar*
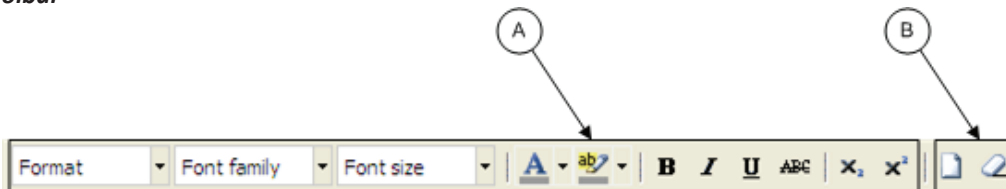
Add text by placing your cursor into the page canvas area and start typing. To format a block of text, select it and use the Font section of the 'Editing Toolbar' to change its attributes. When text is selected

for editing, the toolbar items will change to reflect its current attributes. Clicking on the A gives you a popup list of colors to choose from. The text highlighting tool puts a background color floor behind a selection of text. To remove the background color, click the 'Remove Formatting' toolbar item. This will allow you to change your text color.

B.   Clear Formatting / Clear Content

The ⬜ button will remove all content from the canvas.

The ⬭ button will remove all formatting that exists on the canvas. To use this, highlight the item or object for which you wish to remove the associated formatting, and click on the ⬭ button. It will then reset that highlighted object back to the default format.
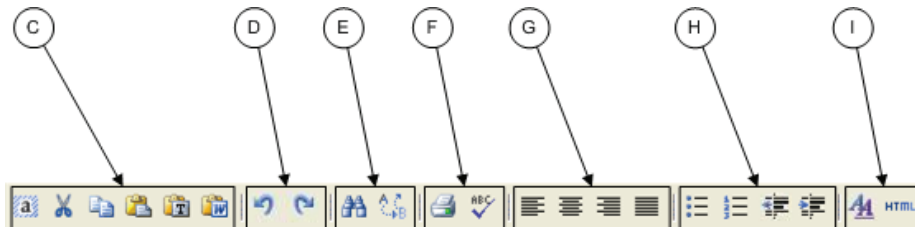
C.   Cut / Paste / Copy

The 🅰 button will select all content/objects in the canvas.

The ✂ button will cut a highlighted object, or set of highlighted objects, for instance, text, images, or any other object that you have highlighted in the canvas.

The 🗐 button will copy a highlighted object, or set of highlighted objects, for instance, text, images, or any other object that you have highlighted in the canvas.

The 📋 button will paste any content you have placed in the Editor Clipboard by cutting or copying content from within the Exhibio Canvas.

The 🅣 button will paste in plain text from any source. This will not work with rich text editors, such as Microsoft Word, or Word Pad. If you copy text in from those sources, the styling of the content will be stripped, and it will be inserted as plain text.

The 🆆 button will paste in any rich text, for instance, from Microsoft Word or Word Pad.

D.   Undo / Redo

The ↩ button will undo the last change you made to the canvas.

The ↪ button will redo the last change you made to the canvas.

E.   Find / Replace

The 🔍 button will open a small new window, where you can search for specified text in the canvas.

The 🔍 button will open a small new window, where you can search for specified text in the canvas, and replace it with different text.

F.   Print / Spell Checker

The 🖨 button will print the current page on your screen.

The ✔ button runs a spell-check on all of the text available in the canvas.

G.   Content Alignment

The ☰ ☰ ☰ ☰ buttons will align content left, center, right, or justify, respectively.

H.   Ordered List / Indenting

The ☰ button will create a bulleted ordered list.

The ☰ button will create a numbered ordered list.

The ☰ button will indent to the left.

The ☰ button will indent to the right.

I.   CSS Styles / HTML

The ![AA] button will allow you to custom style your own CSS. You may go through the options, and setup any custom styling you like. Click the 'Apply' button to see your changes in real-time. Click the 'Update' button when you're finished.
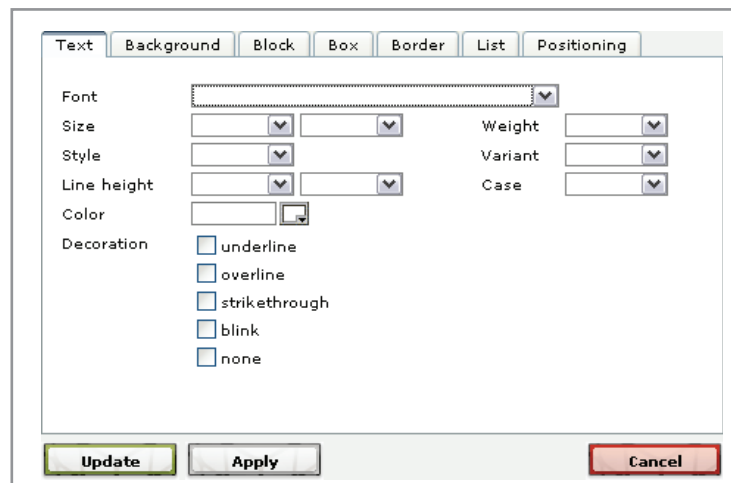
The ![HTML] button will allow you to type or paste in your own HTML code. This includes scripting languages as well. Click the 'Update' button when you're done.

J   K   L   M
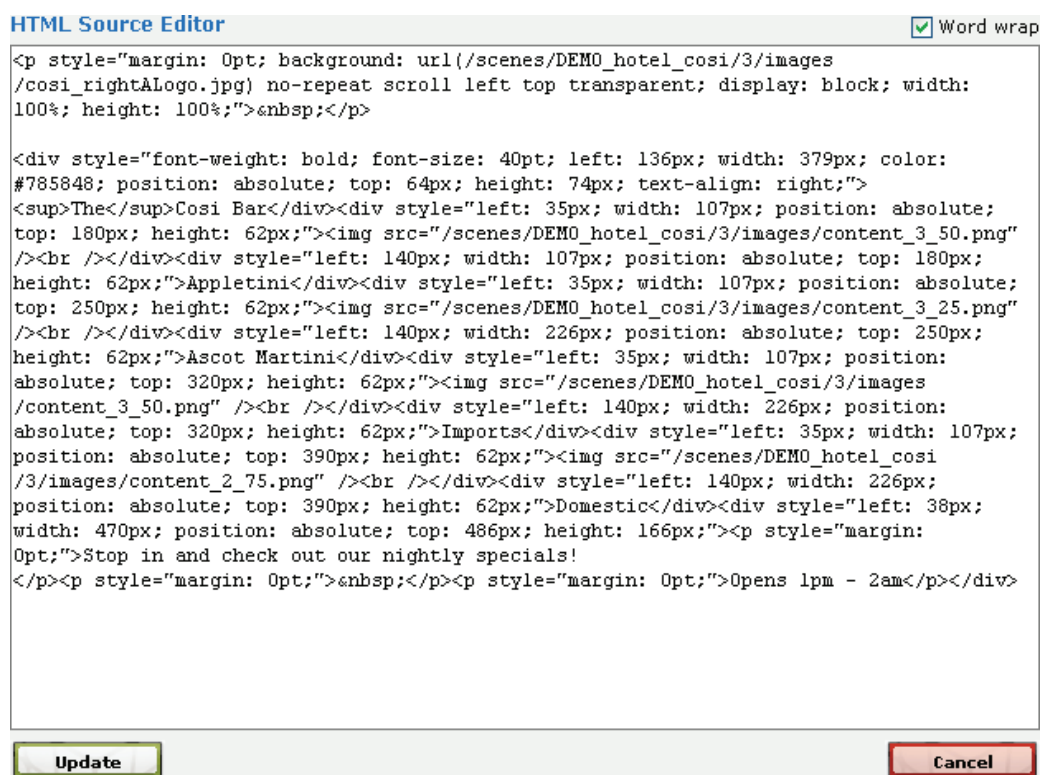
J.   Tables

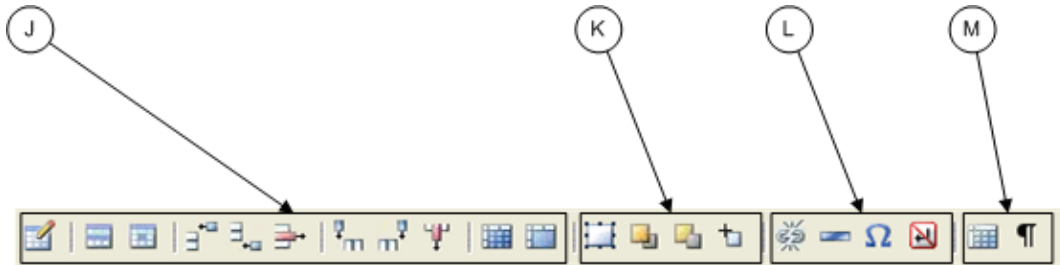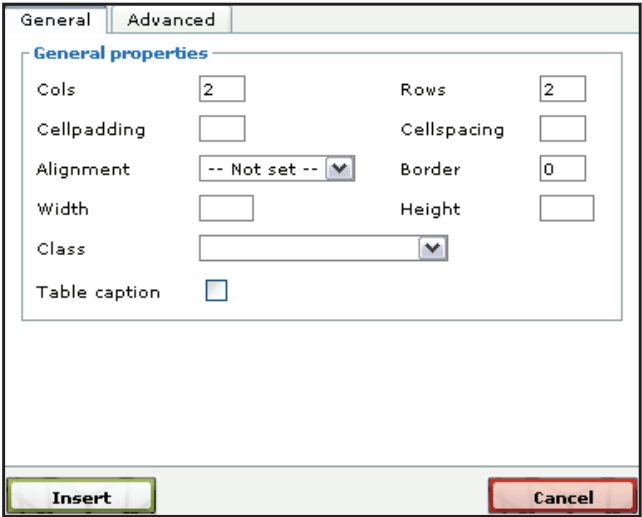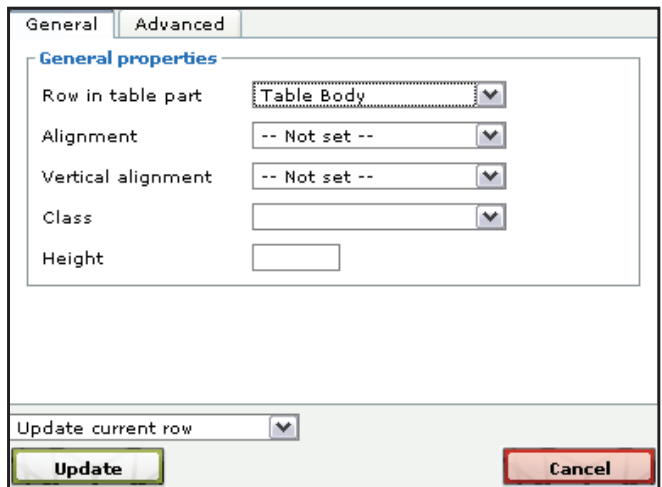The ⊞ will pop up a small window requesting information about the new table you wish to add. You can change the number of columns, number of rows, cell padding, cell spacing, alignment, border, width, and assign it to a style class. For more advanced options, click on the 'Advanced' tab. When you are finished adjusting the new table settings, click on the 'Insert' button.

General	Advanced

General properties

Cols	2	Rows	2
Cellpadding		Cellspacing	
Alignment	-- Not set --	Border	0
Width		Height	
Class			
Table caption	☐		

Insert   Cancel

Once the table is added, it will be inserted into the canvas, like the figure to the right. You can click on any of the corners to increase/decrease the size of the table.

The ⊞ button brings up the settings for the rows of the table. You may change the row in the table part to 'Table Body', 'Table Head' or 'Table Foot'. You may change the alignment to 'Left', 'Right', or 'Center' which will change where the text/object is aligned horizontally within the row. You may change the vertical alignment to 'Top', 'Bottom', or 'Center' which will change where the text/object is aligned vertically within the row. You can assign it to a style class, and change the height. Lastly, you can commit these changes to the 'Current Row' (where your cursor currently resides inside the table) the 'Odd Rows', 'Even Rows', and 'All Rows'. For more advanced options, click on the 'Advanced' tab. When you are done adjusting the table settings, click on the 'Update' button.

General	Advanced

General properties

Row in table part	Table Body
Alignment	-- Not set --
Vertical alignment	-- Not set --
Class	
Height	

Update current row

Update   Cancel

The ⬚ button brings up the settings for the cells in the table. Here you can change the alignment, vertical alignment, cell type, scope, width, height, and assign it to a style class. For more advanced options, click on the 'Advanced' tab. Then choose whether you want to update the 'current Cell', 'all cells in row', or 'all cells in table'. When you are done adjusting the settings, click on the 'Update' button.
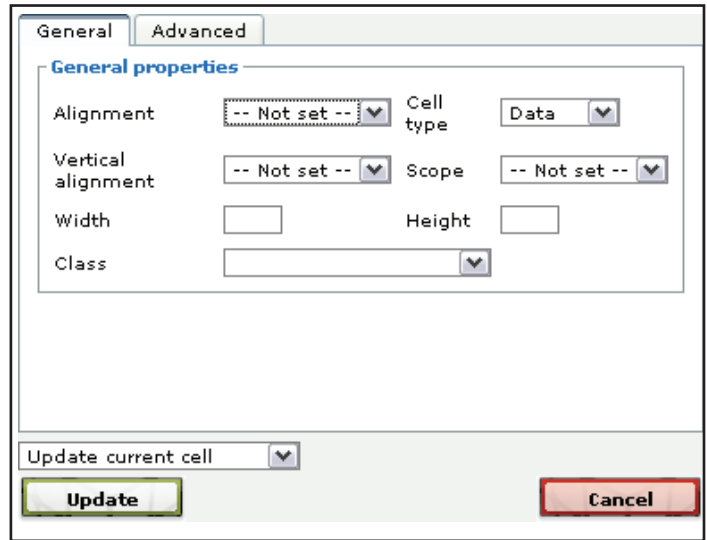
The ⬚ button will insert a row above the currently selected cell.

The ⬚ button will insert a row below the currently selected cell.

The ⬚ button will delete the row in which the currently selected cell exists.

The ⬚ button will insert a column to the left of the currently selected cell.

The ⬚ button will insert a column to the right of the currently selected cell.

The ⬚ button will delete the column in which the currently selected cell exists.

The ⬚ button will split apart merged cells.

The ⬚ button will merge selected cells together.

K.   Layers

The ⬚ will insert a layer into the canvas, like the image shown to the right. This is a free moving layer, and uses absolute positioning. You may drag this layer anywhere on the canvas. Once you have positioned your layer, you may add content into it. Also, you may put a layer on top of a layer. So if you would like to put text in front of a picture, just place a layer on top of the picture, and type the text.

The ⬚ button will bring the layer to the front.
The ⬚ button will send the layer to the back.

L.   Absolute Positioning, Links, Breaks, Symbols

The ⬚ button will toggle absolute positioning on or off.

The ⬚ button will add a link to a selected object. Click on the object you wish to make a link, and a pop-up window will appear. Type in the URL, and leave the Target set to 'Open link in the same window'. You may enter a title and a class. Then click on the 'Update' button.

The ▬ button will insert a horizontal rule in the canvas.
The Ω button will insert a symbol into the canvas. When this button is selected, a pop-up window will appear with a table of symbols. Select the symbol you would like to use, and it will be dropped into the canvas.

The [icon] button will insert a non-line breaking space into the canvas.

M.   Guidelines / Visual Controls
The [icon] button will toggle the guidelines and invisible elements on or off.
The ¶ button will toggle the visual control characters on or off.
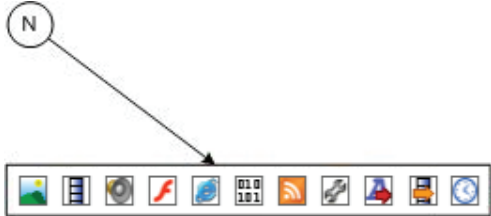
N.   Adding Multimedia

Adding Images/Audio Clips
Click the [icon] or [icon] button.
Click Browse to find your file, and then click the upload button. Once added to the Repository below, click on the [+] button to add the file to the page.

Image File Advanced Options
To access more advanced options of the Image File, right-click on the Image while it's in the page. Here, you can 'Cut', 'Copy', Paste', 'Insert/edit link', 'Unlink', and pull up advanced image properties.
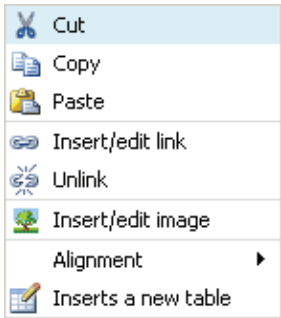
Sound File Advanced Options
To access more advanced options of the Audio File, right-click on the Audio File while it's in the page. Here, you may cut, copy, and paste the file. Also, you may change the alignment of the file, or edit embedded media (covered in the next screenshot).
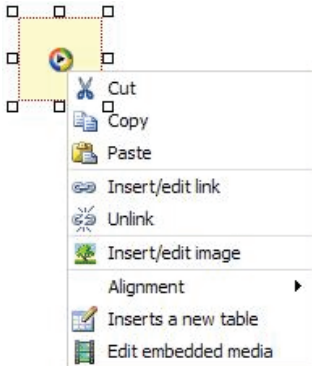
In this window, you can preview the audio file, change the file type, change the URL of the file, and edit the dimensions.

Click on 'Advanced' for more options.
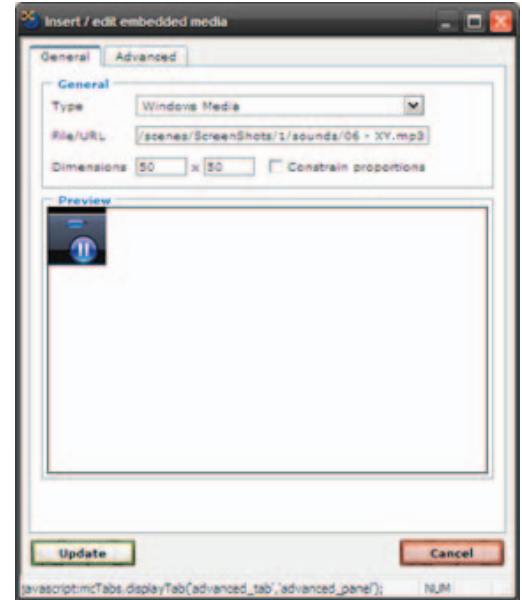
In this window, you set the file to auto start, show the menu, invoke URLs, stretch to fit, enable or disable the file, set for full screen, mute, or use a windowless video. Also, you may change audio options such as the balance, captioning id, current position, play count, UI mode, base URL, current market, default frame, rate, and volume.

Adding Movies/Flash Animations
Click the ⬜ or ⬜ button.
Click Browse to find your file, and then click the upload button. Once added to the Repository below, add a width and height, and then click on the ➕ button to add the file to the page.

To access more advanced options of the Flash File, right-click on the Flash File while it's in the page. Here, you may cut, copy, and paste the file. Also, you may change the alignment of the file, or select 'Edit embedded media' (covered in the next screenshot).
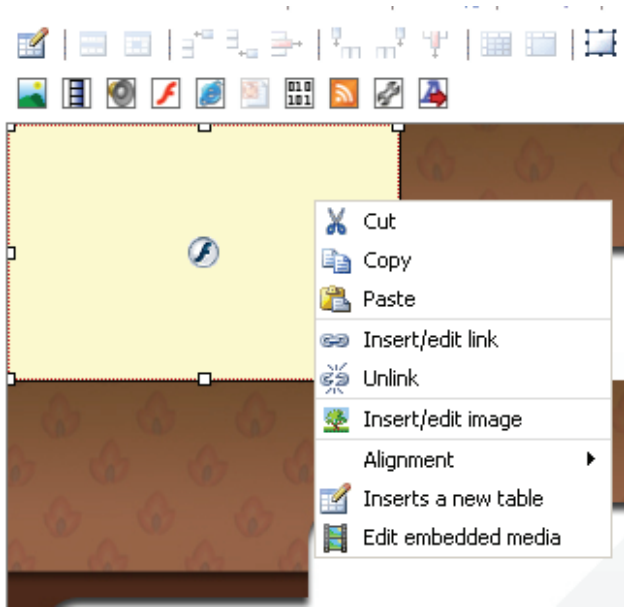
In this window, you can preview the file, change the file type, change the URL of the file, and edit the dimensions.

Click on 'Advanced' for more options.
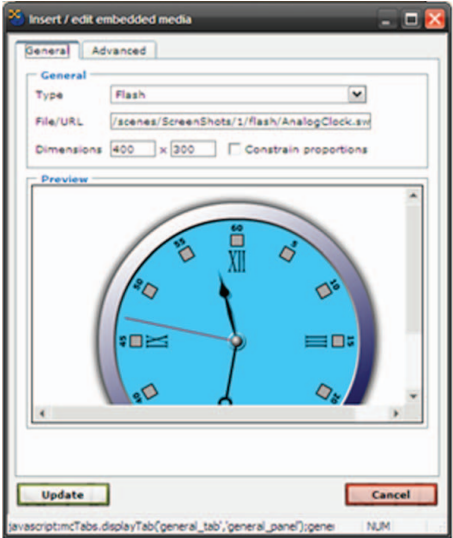
Flash File Advanced Options
In this window, you can set the file to Auto Play, loop, show the menu, and enable SWLiveConnect.
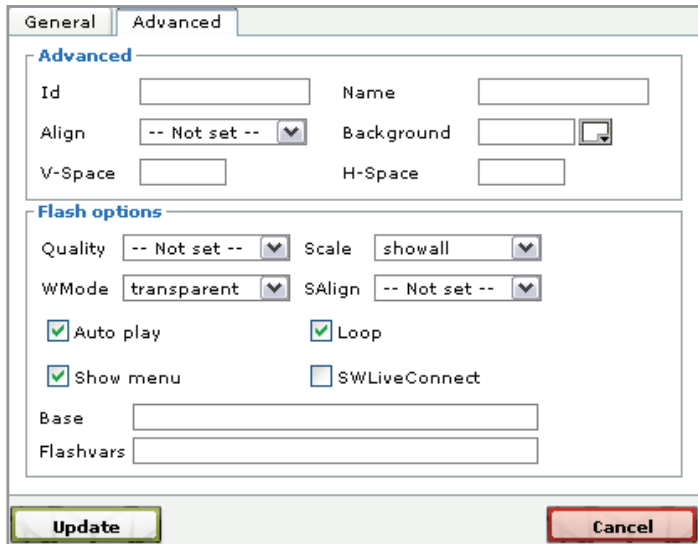
Adding a Web Page
1. Click on the button.
2. Type the URL of the web page you would like to add in the text field.
3. Enter the width and height that you want the web page to display at on the page.
4. When you are ready to add it to the page, click on the button.

Web Page

Add Web Page To Your Page

Type the URL of the web page you would like to add below. Click on the 'plus sign' to add the web page to your page.

URL: http:// [   ]   Width: [200] px   Height: [130] px   +

Adding Live TV, External Video, and DVD Playback

Before using Live Video, you need to setup your TV Tuner hardware (shown in the Exhibio Hardware Manual or Live Video Setup Guide) and enable Live Video in the Exhibio Setup Utility (shown at the beginning of this manual).

Note: **Digital TV is only available if you have a compatible tuner device and live video decoders installed. Playback from the internal DVD player is only available on hardware that has a DVD player built in. It also requires installing special DVD decoders (Available with the live video upgrade kit). A Live Video Upgrade kit may be purchased from Exhibio, and must be installed prior to using these video features.**

To add external video, click on the button. Here you can select between the following video sources: Analog TV, Digital TV, Composite Video Input, S-Video Input, or Internal DVD Player.

Analog Television
1. Provided you've scanned for channels in the Exhibio Setup Wizard, you can select from a drop-down of preset channels. Also, you can type in the channel number in the provided text box. Furthermore, you can adjust the Brightness, Contrast, Hue, Saturation, and Sharpness. The default set is 128 for each.
2. You can change the aspect ratio to a custom configuration, or select Automatic. You can also change the overscan amount.
3. Change the volume on the bar. Zero (all the way to the right) is the loudest, and scrolling it to your left will reduce the volume. You can also mute the Audio and enable Closed Captioning.

Live Video

Add Live Video To Your Page

Fill out the fields below and click the 'Add Live Video' button to add a live video window to your page.

Video Source Attributes

Source: [Analog Television ▼]   Brightness: [slider]   128

Preset: [— Please Choose — ▼]   Contrast: [slider]   128

Channel Number: [   ]   Hue: [slider]   128

Country: [United States ▼]   Saturation: [slider]   128

Broadcast/Cable: [Antenna ▼]   Sharpness: [slider]   128

Aspect Ratio Attributes

☑ Keep Aspect Ratio

◯ Manual Ratio: [4] X [3]

◉ Automatic Ratio

Overscan Amount: [0] px

Audio Attributes

Volume: [slider]   0

☐ Mute Audio

☐ Enable Closed Captioning

Video Size

Video Width: [400] px

Video Height: [300] px

Other Attributes

Toolbar Position: [No Toolbar ▼]

☑ Enable Contextual Menu

Note: Only one live video window can be displayed on the sign at one time.

[Add Live Video]

4. Change the width and height of the video's display area within the page.
5. If you plan on having a mouse normally plugged into your Exhibio, you can opt to show a toolbar on the TV for direct control of the channel.
   Also, you can allow a contextual menu, where you can right-click on the TV feed (only visible on the digital sign) and change all of the attributes discussed above.

Digital Television
1. Provided you've scanned for channels in the Exhibio Setup Wizard, you can select from a drop-down of preset channels. Also, you can type in the channel numbers in the provided text boxes.
2. You can change the aspect ratio to a custom configuration, or select Automatic. You can also change the overscan amount.
3. Change the volume on the bar. Zero (all the way to the right) is the loudest, and scrolling it to your left will reduce the volume. You can also mute the Audio and enable Closed Captioning.
4. Change the width and height that you would like the video to display in the page.
5. If you plan on having a mouse normally plugged into your Exhibio, you can opt to show a toolbar on the TV for direct control of the channel. Also, you can allow a contextual menu, where you can right-click on the TV feed (only visible on the digital sign) and change all of the attributes discussed above.

Composite or S-Video Input
1. Adjust the Brightness, Contrast, Hue, Saturation, and Sharpness. The default set is 128 for each.
2. You can change the aspect ratio to a custom configuration, or select Automatic. You can also change the overscan amount.
3. Change the volume on the bar. Zero (all the way to the right) is the loudest, and scrolling it to your left will reduce the volume. You can mute the Audio and enable Closed Captioning.
4. Change the width and height that you would like the video to display in the page.
5. If you plan on having a mouse normally plugged into your computer, you can opt to show a Live Video toolbar. Also, you can allow a contextual menu, where you can right-click on the Video feed (only visible on the digital sign) and change all of the attributes discussed above.

Internal DVD Player (Only available on Exhibio hardware with an internal DVD player present.)

1. Insert a DVD into the Exhibio Unit's DVD drive.
2. Enter the title and chapter that you would like the DVD playback to start at.
3. If you are planning on placing in more than one page into the pane, and would like to have the DVD start, pause, and then start again when the page comes up, check 'Restore Bookmark'.
   If you are planning on displaying the DVD in the page in its entirety, then make sure you know the duration of the DVD, and change the page duration to match it.

   Note: The Exhibio Live Video Upgrade Kit must be installed prior to using this feature.

Adding RS232 Commands

1. To add an RS232 Command, you can use one of the commands in the 'Preset' drop-down menu.
2. Alternately you can create your own command from scratch. First give the new command a description. Then fill in the form with each attribute of the command. Click on 'Test Command' to see if it works on your display(s).
3. Click on the 'Add Command' button to add it to the page.
4. Each time this page is displayed on the sign, it will run this RS232 command.

Adding RSS/XML Feed

1. To add an RSS feed, click on the 🟧 button.
2. Enter in a name and URL for your RSS feed. If you are looking for RSS feeds on the Internet, then you can just search the Internet for "Free RSS Feeds" or similar search terms.
3. Then select a 'Theme', and click on 'Add Feed'. If you would like to make more advanced changes to the formatting of the text, speed of scroll, formatting of the background, and what will be displayed, click on the 'Advanced...' button at the top.
   If you want to add the feed as it is, click on the 'Add Feed' button at the top right, and skip to step 8.

4. Here you can limit what will be displayed within the RSS feed. Place a check next to what you would like to show. Also, click on 'Show/hide properties' to change the font (family, size, color, and typeface), background color, margins, border thickness and color.

5. Then, click on 'Next'.

6. You can change the background color, cell padding, and borders. Click 'Next' for further options.

7. Set the feed layout to either paragraph or condensed. You can also change the speed of the scroll, when it will be updated, number of items per page, page duration, number of items, max character limit, display of images, and the presence of HTML. Then, click on the 'Add Feed' button.

8. Change the feed width and height. Then click the ⊞ button to add the RSS feed to your page.

Adding Scripts

1. Before adding a script to a page, you must first have the script added to the 'Script Toolbox' in the 'Exhibio Setup Utility'. For instructions on adding scripts to the toolbox, please refer to the Platform Developers API documentation.

2. To add an existing script, click on the button. The dialog box above will appear on your display. Add any necessary query string parameters in the textbox next to the script name (don't forget the '?'). EX: ?parameter1=value&parameter2=value2.

3. Click on the ⊞ button next to the script to add it to your page.

Adding Scrolling Text

1. To add a custom scrolling text area, click on the button.
2. Type in a name for the text widget.
3. In the 'Text Content' area, type the text which you would like to appear in the widget.
4. Use the 'Text Properties' to change the following:
   - ✔ Font type, size, and alignment
   - ✔ Text shadow and color
   - ✔ Foreground color
   - ✔ Enable gradient
   - ✔ Background color
   - ✔ Scrolling speed (pixels per second)
   - ✔ Scrolling direction (Right to Left, Left to Right, Up or Down.
5. When complete, click on the 'Add Widget' button towards the bottom right. It will then be added to the repository.
6. Once added to the repository, input a width and height for this widget within your page. Then click on the ⊞ button.

Adding Streaming Video

1. To add streaming video, click on the 🖫 button. A new window, "Streaming Video Window," will open.
2. From the "Video Type" drop-down menu, select the format of streaming video you will be adding. Details for each format will be displayed below the drop-down menu when you have selected the appropriate format.
3. Enter the URL for the streaming video's location into the "URL" field.
4. Enter the desired size (in pixels) into the "Width" and "Height" fields.
5. To see how the video will be displayed, click the "Preview" button. A new window will open displaying how the streaming video will appear on the pane.
6. Once the streaming video parameters are at your desired settings, click the "Add To Page" button. The video will automatically loop.

Date and Time

1. To add the current date and/or time, click on the ⟳ button.
2. As you make changes to the date and time, you will see a preview of your choices at the bottom of the "Date and Time" window.
3. Select the format for how you want the date and time to appear from the drop down menus under "Date Time Formatting."
4. Select how you would like the date and time text to appear from the drop down menus under "Text Properties."
5. To change the size of how the date and time will be displayed, enter the dimensions (in pixels) under "Dimensions."
6. Once the date and time options are correct, click the "Add Widget" button in the lower right hand corner of the "Date and Time" window.

Canvas Editing

The Canvas is embedded with many right-click features, making editing or changing properties quick and easy.

Canvas Options

If you right-click anywhere on the canvas, you will receive the following contextual menu. From here, you can 'Cut', 'Copy', 'Paste', and 'Insert a new table'.
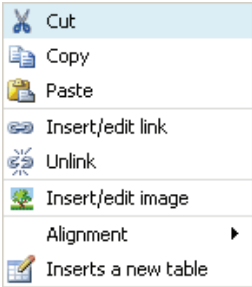
Table Options

If you right-click anywhere on a table, you will receive the following contextual menu. From here, you can 'Cut', 'Copy', Paste', 'Cut table row', 'Copy Table Row', 'Paste table row before', 'Paste table row after', 'Insert a new table', adjust 'Table Properties', adjust 'Table cell properties', 'Delete table', adjust 'Table row properties', 'Insert row before', 'Insert row after', 'Delete row', 'Insert column before', 'Insert column after', 'Remove column', 'Split merged table cells', and 'Merge table cells.' Every attribute of editing the table properties may be managed by right-clicking right on the table.
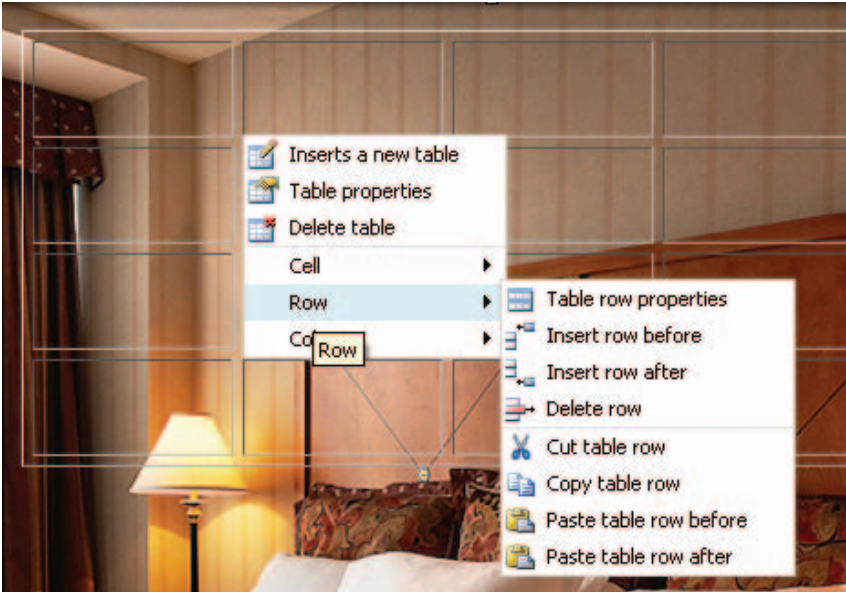
ADVERTISING CAMPAIGNS

An Exhibio Advertising Campaign involves the creation and coordination of a series of advertisements around a particular theme to promote a product or service. The Exhibio Manager allows you to create advertising campaigns that can be associated with any page. These pages can serve as vehicles for delivering dynamic and easily created advertising content.

Campaigns

Add New Campaign
1. Click on 'Advertising Campaigns' in the main menu.
2. Click on 'Add New Advertising Campaign' or its associated icon.
3. Type in the name of the campaign, description, and place this under an account, or create a new account.

Edit Existing Campaign
1. Click on 'Advertising Campaigns' in the main menu.
2. Under 'Edit Campaign' click the drop-down menu, and choose the campaign you wish to edit.
3. Change either the name of the campaign, description, and/or change the account this is under, or create a new account.

Delete Existing Campaign
1. Click on 'Advertising Campaigns' in the main menu.
2. Under 'Delete Campaign' click the drop-down menu, and choose the campaign you wish to edit.
3. Click 'OK' to confirm the deletion.

ADVERTISING CAMPAIGNS

Accounts

Edit Existing Account
1. Click on 'Advertising Campaigns' in the main menu.
2. Under 'Edit Account' click the drop-down menu, and choose the account you wish to edit.
3. Change the name of the account, and click on the [Save] button.
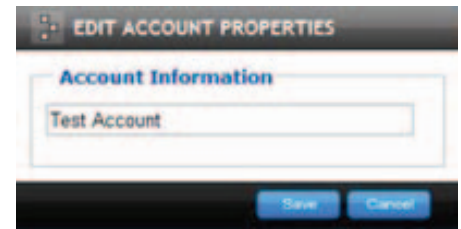
Delete Existing Account
1. Click on 'Campaigns' in the main menu.
2. Under 'Edit Account' click the drop-down menu, and choose the account you wish to edit.
3. Click on 'OK' to confirm the deletion.

Add Advertisement to Campaign
In order to setup reports, you need to first commit a page to an existing campaign.
1. Click on 'Content' in the main menu.
2. Click on the page you wish to start reporting on.
3. Click on 'Show Campaign Settings'.
4. Select the account under which your campaign resides.
5. Select the campaign from the drop-down menu.
6. Type in the name you would like the advertisement to be called.
7. Click on the [+] button to add the campaign to this page.

View Campaign Reports
With the Exhibio Campaign Reports, you can review reports by campaign or by account. Also, you can export the full log files as a comma separated value (.csv) file and open them directly into Microsoft Excel.

View Reports by Campaign
1. Click on 'Advertising Campaigns' in the main menu.
2. Under 'View Reports By Campaign', input a start date and end date of which you would like to report.
3. Click on the drop-down menu labeled 'Choose Campaign' and select the campaign to generate the report.
4. Here it will show you the number of impressions that campaign made. If you require a log file, click on the 'Log Files' button which will show a list of log files compatible with Microsoft Excel.
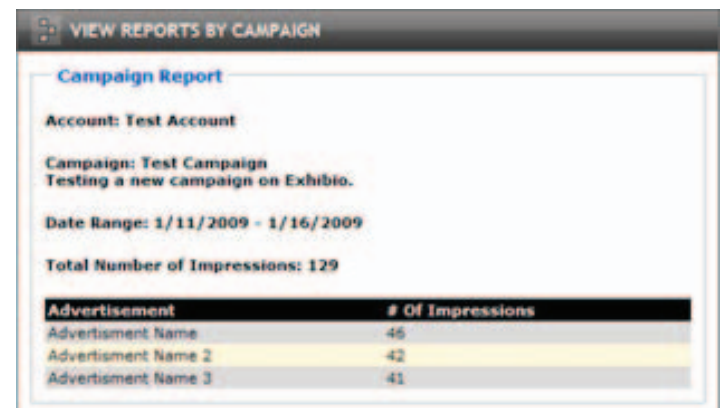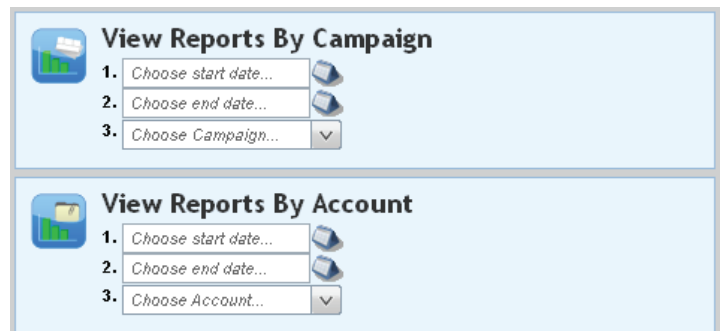
View Reports by Account

1. Click on 'Advertising Campaigns' in the main menu.
2. Under 'View Reports By Account', input a start date and end date of which you would like to report.
3. Click on the drop-down menu labeled 'Choose Account' and select the account to generate the report.
4. This will show you the number of impressions for each advertisement listed under the account. If you require a log file, click on the **Log Files** button, which will show a list of log files compatible with Microsoft Excel.

USERS

The Exhibio Manager may include any number of authorized users who have access to parts or all of the system. Each user has an individual username and password as well as up to ten permissions, which define what actions they can take.
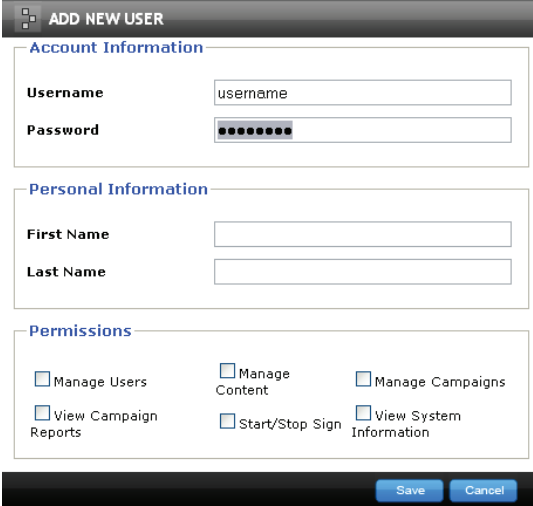
User Permissions

Listed Permission	Allowed Functionality
Manage Users	Add, edit, and delete users and their roles
Manage Content	Add, edit, and delete pages
Manage Campaigns	Add, edit, and delete accounts and campaigns
View Campaign Reports	View reports generated by the Exhibio Campaign Recorder
Start/Stop Sign	Start and stop playing content on the connected displays
View System Information	View system screenshots, error logs, and product information

User Management

Adding a New User
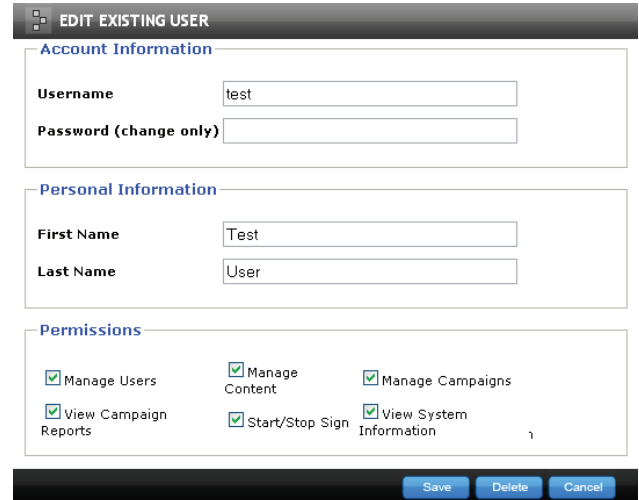
1. Click the 'Users' link in the main menu.
2. Click the 'Add New User' link or its associated icon.

3. Complete all required fields in the 'Account Information', 'Personal Information', and 'Permissions' field sets.
4. Click the **Save** button.

Edit an Existing User

1. Click the 'Users' link in the main menu.
2. Under 'Edit Existing User' click the drop-down box, and select the user you wish to edit.
3. Edit all necessary fields in the 'Account Information', 'Personal Information', or 'Permissions' field sets.
4. Click the **Save** button.

Delete an Existing User

1. Click the 'Users' link in the main menu.
2. Under 'Edit Existing User' click the drop-down box, and select the user you wish to delete.
3. Click the **Delete** button at the bottom of the screen. All information regarding this user will be removed from the system.

SYSTEM INFORMATION
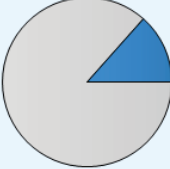
System Information reports critical information from the Exhibio unit back to the Exhibio Software for viewing. The following information is reported:

Sign Name	Name given to the Exhibio unit during initial setup.
Disk Drives	Integrated Exhibio Hard Drive for storing content locally. If you've added a USB drive, it will be reported as well. This area reports free space and used space.
Display Resolution	Reports the specified height and width of the video resolution.
Product Code	Displays the product code of the device.
Serial Number	Displays the serial number of the device.
Statistics	Reports number of Users and Campaigns on the Exhibio system.
Service Status	Reports the activity of the Exhibio Scheduler Service and Exhibio Monitor.
Live Video	Reports the activity of the Live Video Input, and the availability of the DVD Decoder and WMR9.
Serial Ports	Displays the COM port associated with the serial port.
System Error Logs	Displays a list of errors that have occurred on the system, along with date and time. Click the error to view more details.

SYSTEM INFORMATION

Sign Name
Exhibio

Disk Drives
C:\ (EXHIBIO) - Capacity: 71.03 GB
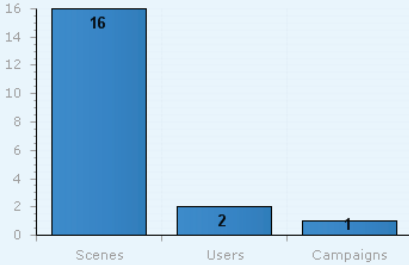
9.55 GB Used

61.48 GB Free

Display Resolution
1360 pixels wide by 768 pixels high

Product Code
XSeriesStandalone

Statistics

Scenes: 16 Users: 2 Campaigns: 1

Service Status
Exhibio Scheduler Service: RUNNING
Exhibio Monitor: RUNNING

UPDATE EXHIBIO

It is recommended that you check your system for updates every 4 months. Exhibio, LLC generally releases small updates to keep your system up to date. There is an update utility directly on the Exhibio Desktop which facilitates installing all major and minor updates.

1. Plug a keyboard and mouse directly into the Exhibio System.
2. Stop the current sign display by pressing the 'Esc' key.
3. Click on the 'Update' button found on the Exhibio Desktop.
4. Log into the Exhibio Update Utility with the Exhibio Administrator Password.

5. Click on 'Find Updates' and allow some time for the system to check for updates. If there is an update available, it will show up in the white area. Check the update, and click on 'Install Checked'. If there are no updates, then click on Finished.

If you were sent an update file from Exhibio, LLC you may add it manually with the 'Add Files...' button. Select that button, locate the update file, and click 'Open.' The Exhibio System will then update itself.

EXHIBIO HELP

All Exhibio system documentation is available right from the Exhibio Desktop. Here are the steps to access all manuals.

1. Click on the 'Help' button found on the Exhibio Desktop.
2. Then click on the manual or guide you would like to review.

SHUT DOWN OR RESTART EXHIBIO

1. Click on the 'Shut Down' button found on the Exhibio Desktop.
2. Then click on 'Shut Down' or 'Restart' on the dialog box. Click on 'Cancel' if you wish to close this dialog box.
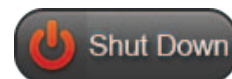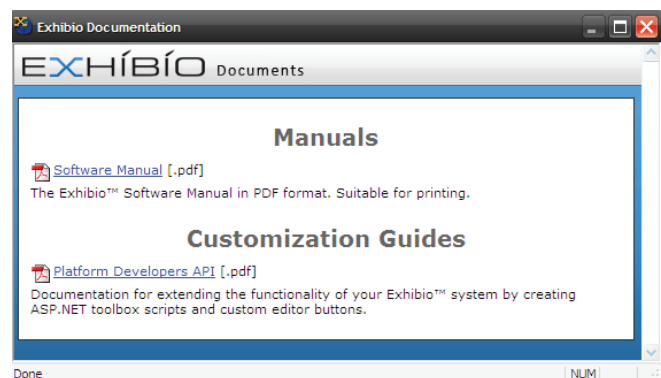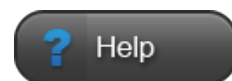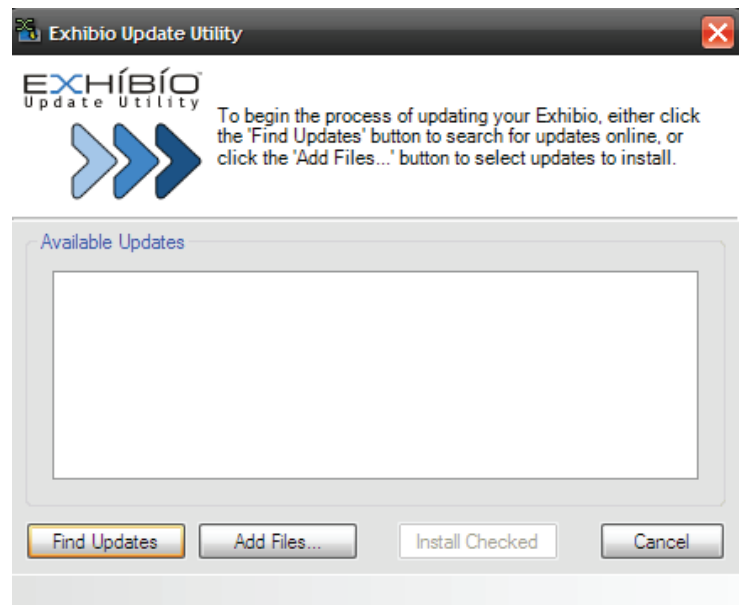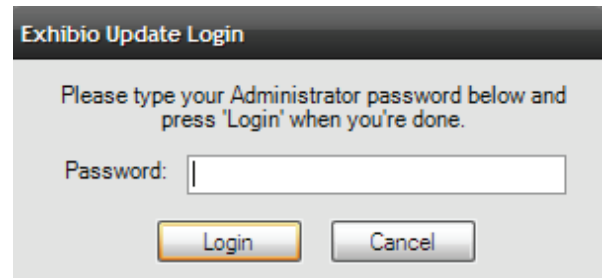
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Digital Signage Appliance
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NETSPELL SPELL CHECKING ENGINE

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TINYMCE WYSIWYG HTML EDITOR

This application uses TinyMCE which is covered by the Lesser General Public License. The source code for TinyMCE is included in the following location: C:\Program Files\Exhibio\ExhibioManager\tiny_mce.

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-      Remote Boot Feature. If the Exhibio LLC enabled the device Remote Boot feature of the software, you may

    (i)   use the Remote Boot Installation Service (RBIS) tool only
    to install one copy of the software on your server and to deploy the software on licensed devices as part of the Remote Boot process; and

    (ii)   use the Remote Boot Installation Service only for deployment of the software to devices as part of the Remote Boot process; and

    (iii) download the software to licensed devices and use it on them.

For more information, please refer to the device documentation or contact Exhibio LLC.

-   Internet-Based Services. Microsoft provides Internet-based services with the software. Microsoft may change or cancel them at any time.

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not receive a separate notice when they connect. You may switch off these features or not use them. For more information about these features, visit http://www.microsoft.com/windowsxp/downloads/updates/sp2/docs/privacy.mspx.

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b. Computer Information. The following features use Internet protocols, which send to the appropriate systems computer information, such as your Internet protocol address, the type of operating system, browser and name and version of the software you are using, and the language code of the device where you installed the software. Microsoft uses this information to make the Internet-based services available to you.

- *Web Content Features.* Features in the software can retrieve related content from Microsoft and provide it to you. To provide the content, these features send to Microsoft the type of operating system, name and version of the software you are using, type of browser and language code of the device where the software was installed. Examples of these features are clip art, templates, online training, online assistance and Appshelp. These features only operate when you activate them. You may choose to switch them off or not use them.

- *Digital Certificates.* The software uses digital certificates. These digital certificates confirm the identity of Internet users sending X.509 standard encrypted information. The software retrieves certificates and updates certificate revocation lists. These security features operate only when you use the Internet.

- *Auto Root Update.* The Auto Root Update feature updates the list of trusted certificate authorities. You can switch off the Auto Root Update feature.

- *Windows Media Player.* When you use Windows Media Player, it checks with Microsoft for
  - Compatible online music services in your region;
  - New versions of the player; and
  - Codecs if your device does not have the correct ones for playing content. You can switch off this feature. For more information, go to:
  http://microsoft.com/windows/windowsmedia/mp10/privacy.aspx.

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content for which you have a valid license.

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