

NEWS SCROLL

User Manual

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Contents

- Chapter 1. Getting Started**
- Chapter 2. Basic Operations**
- Chapter 3. Functions**
- Chapter 4. Scheduler**
- Appendix**

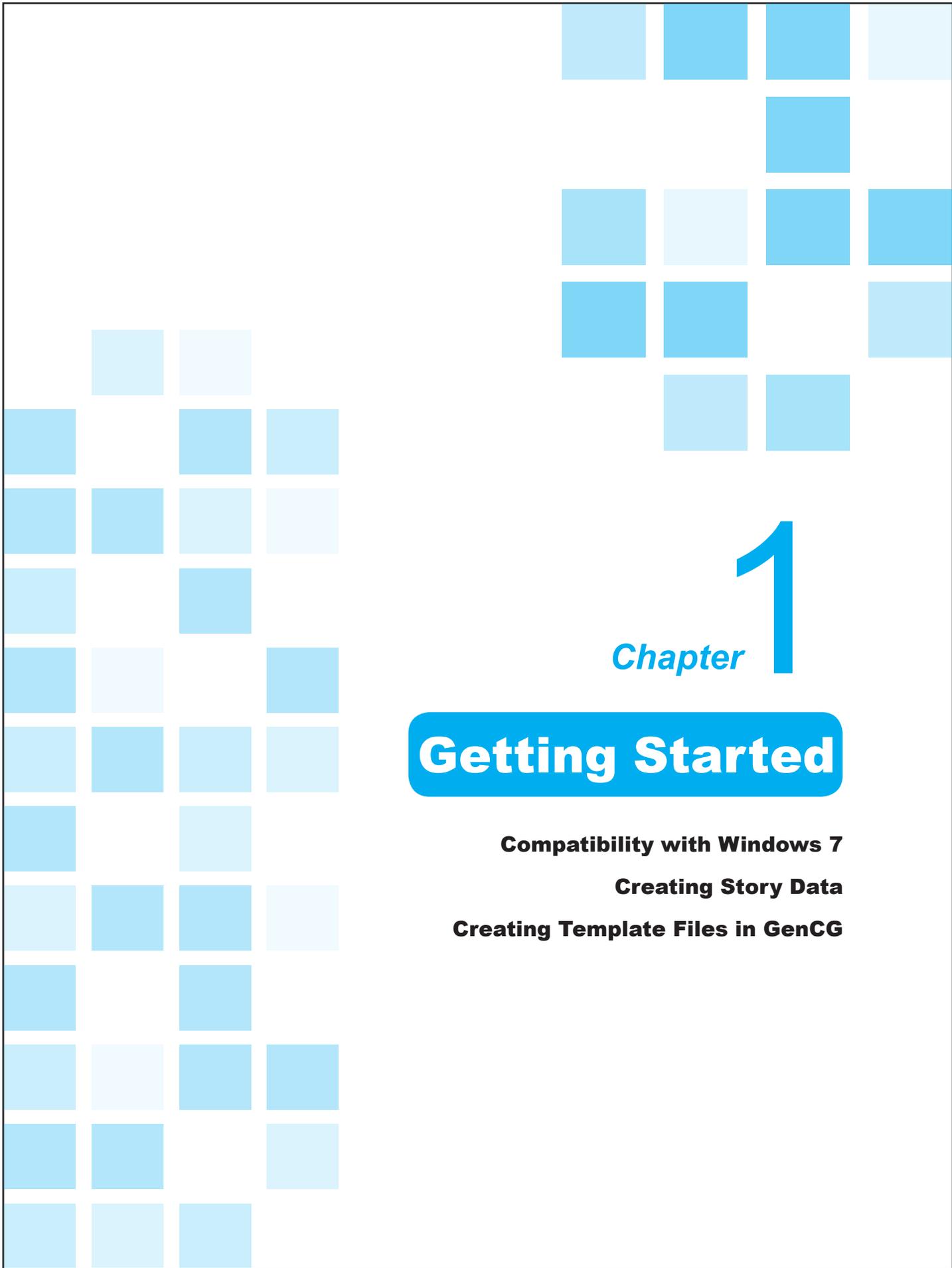
Compatibility with Windows 7	10
Compatibility with Windows 7	10
Creating Story Data	12
The Basics	12
Advanced	13
Creating Template Files in GenCG	14
Crawl Templates	14
Optional Second Page for Crawls	15
Data Box Templates	16
Clock Templates	17
Title Templates	17

NewsScroll User Interface	20
Board Configuration.....	20
Primary Screen.....	20
Playback Control.....	21
Edit Window.....	22
Menu Options.....	24
Options Menu	24
Help Menu	28

Crawls	30
Crawls User Interface	30
Crawls at a Glance	33
Crawl Settings.....	34
Logos	38
Logos at a Glance.....	38
Logo Settings.....	39
Data Box	40
Data Box Settings.....	40
Clock	43
Clock Settings.....	43
Title	44
Title Settings.....	44
Ratings	45
Rating Settings	45

- Schedule Data.....48**
 - Schedule User Interface48
 - Daily Schedule.....49
 - One Time Schedule.....50
 - Time Control51
 - Schedule View51
- Editing a Schedule52**
 - Editing a Schedule.....52
- Deleting a Schedule53**
 - Deleting a Schedule.....53
- Disabling a Schedule53**
 - Disabling a Schedule.....53

Shortcut List56



Chapter **1**

Getting Started

Compatibility with Windows 7

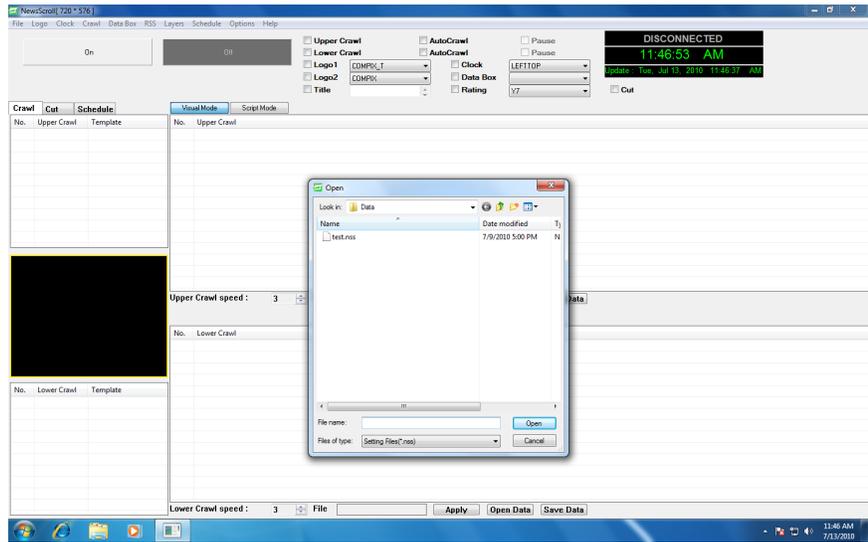
Creating Story Data

Creating Template Files in GenCG

Compatibility with Windows 7

Compatibility with Windows 7

NewsScroll is now compatible with Windows 7. The default folders for opening and saving files have been updated to fit the Windows 7 requirements. Now, NewsScroll will read all templates, animations, images, and data from within: C:\Users\UserName\Documents\Compix\NewsScroll\



Tip

Please Note:

Only new Compix systems have Windows 7 installed. Any existing Windows XP systems purchased from Compix will not support user upgrades to Windows 7. If a customer upgrades from Windows XP to Windows 7, the Compix warranty will be voided and Compix Media will not support the user upgrade.

Security Settings

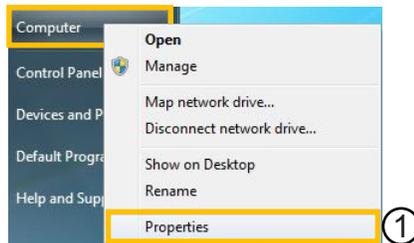
Two security settings need to be in place for NewsScroll 4.1 to work smoothly in Windows 7.

1. Windows 7 must be running in Administrator Mode

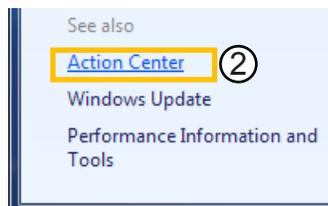
The Administrator Mode is the default mode in which Windows 7 runs until new user accounts are created. Running NewsScroll 4.1 in Administrator Mode helps with security parameters that Windows 7 has created.

2. The User Access Controls (UAC) must be set to the lowest level

Setting the UAC to the lowest level also combats the security parameters of Windows 7.



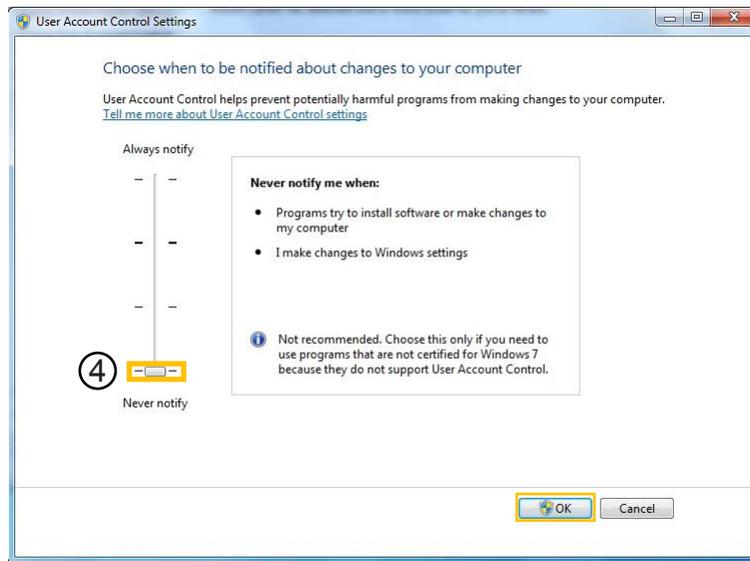
- ① To do this, click on the windows icon at the bottom left corner of the screen and right-click on [Computer], then click on [Properties].
- ② Click on [Action Center] in the lower left.





③ Click on [Change User Access Control Settings] in the upper left.

④ This opens another window with a vertical sliding bar. Move this bar to the lowest setting, [Never Notify], to stop security notification pop-ups. Click [OK] when done.

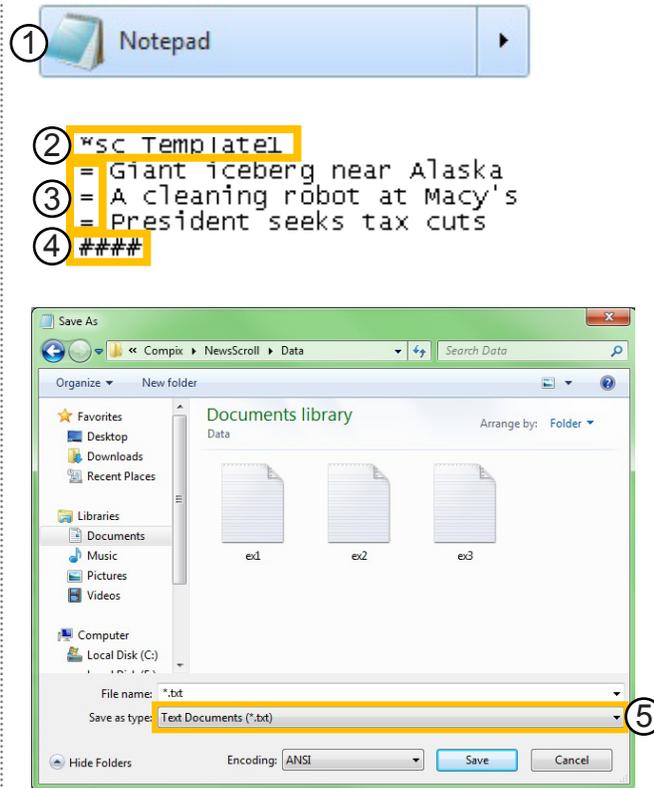


Creating Story Data

Before operating NewsScroll 4.1, there are a few files that should be prepared ahead of time. First is the story data containing the information to be displayed on screen, which is discussed in this section. Next are template files containing the desired color, font, and other attributes, discussed in the next section.

The Basics

Follow these easy steps to create story data to be imported into NewsScroll 4.1.



- ① Open a new file in a text editing program, such as Notepad.
- ② In the first line, type “*sc”, followed by a space and the name of the desired template to be used. If the template name is unknown, the name can be left blank and filled in later. Any data items within this section will follow the format of the named template until another template is listed. If the listed template does not exist, the default template will be used instead.
- ③ The next lines can be filled with the data to be displayed on air. Begin each new line with the equal sign (=) followed by a space and the data. The equal sign here signifies a space in between each data element.
- ④ When all the data has been entered, create a new line and type four (4) hash signs (#). This tells NewsScroll that the data file has ended.
- ⑤ Save the text file as *.txt and give the document a name. Depending on which operating system the Compix system is running on, save the file into one of the folders below:

Windows XP: C:\Program Files\Compix\NewsScroll\Data

Windows 7: C:\Users\UserName\Documents\Compix\NewsScroll\Data

Advanced

Additional attributes and data can be added to the data file which are not mandatory. These include multiple story data using different templates and distinguishing words or phrases by using various colors, fonts, or sizes.

```
*sc Template1
= Giant (#1 iceberg) near (#1 Alaska)
= A cleaning robot at (#2 Macy's)
= President seeks tax cuts
① *sc Template2
= New reality show at 8PM
② = Chocolate diet may not be healthy after all
= Hot pursuit in (#3 Los Angeles)
④ ##### ③
```

① Using the example from The Basics section on the previous page, create a new line and type in “*sc” followed by a space and the name of a different template. This creates a second story data section that will be displayed following the format of the new template.

② Enter new data in the next few lines, making sure to begin each line with the equal sign (=) followed by a space.

③ To emphasize certain words or phrases, place parentheses around the desired text. Within the parentheses but before the text, type the hash sign (#) followed by a number. The number will correspond to a different text format within the template. If the same number is used on multiple words or phrases, then the same format will be applied to each. This is discussed more in depth within the Creating Template Files in GenCG section.

④ When finished entering data and customizing the text format, be sure there are four (4) hash signs (#) in the last line of text and save the document.

Creating Template Files in GenCG

Before operating NewsScroll 4.1, there are a few files that should be prepared ahead of time. Next are template files containing the desired color, font, and other attributes, discussed in this section.

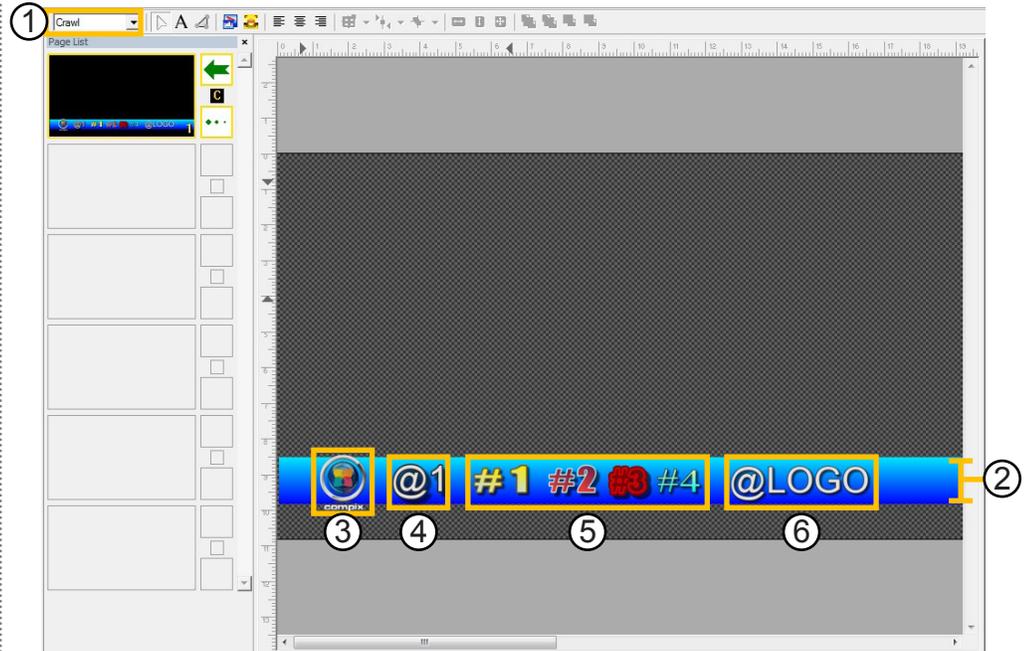
Crawl Templates

The crawl template file allows the user to choose the style, color, and size of the text corresponding to the story data. It also offers the customization of the background design and the display of bullets or logos in between each data element. Template files for NewsScroll 4.1 are created in GenCG.



Tip

The background shape must be present, even if it is not wanted under the text. In this case, change the transparency to 100%, making the shape invisible.



① Open a new project in GenCG and set the first page to [Crawl] in the Page Mode drop down menu.

② Using the Shape tool, create a long rectangle at the bottom of the canvas. The length of this shape should exceed one page and ideally the length of the longest data element. This rectangle will be used as the background for the text, so customize it by changing the color and transparency.

③ Insert an image to be used as a bullet or logo in between each data element. Adjust the size as appropriate and place it to the left side of the rectangle.

④ To the right of the bullet or logo image, use the Text tool to type “@1”. This becomes the default font, color, and size for all data elements, so customize as needed.

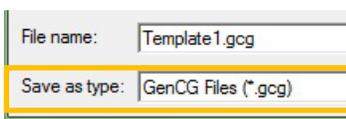
⑤ In the advanced story data text file, some words or phrases were selected to be emphasized by surrounding them in parentheses followed by a hash sign (#) and a number. Now, in the template file, these customizations to font, color, and size can be set. Using the Text tool again, create a new text object and type “#1” to the right of the “@1”. Choose the appropriate attributes for this text. Continue to type numbers within the same text object and change attributes until all numbers are covered from the text file.

⑥ Optionally, add “@LOGO” to be able to place an End Logo after each cycle.

⑦ Once finished, save this template file as a *.gcg file into one of the folders below.

Windows XP: C:\Program Files\Compix\NewsScroll\Template

Windows 7: C:\Users\UserName\Documents\Compix\NewsScroll\Template

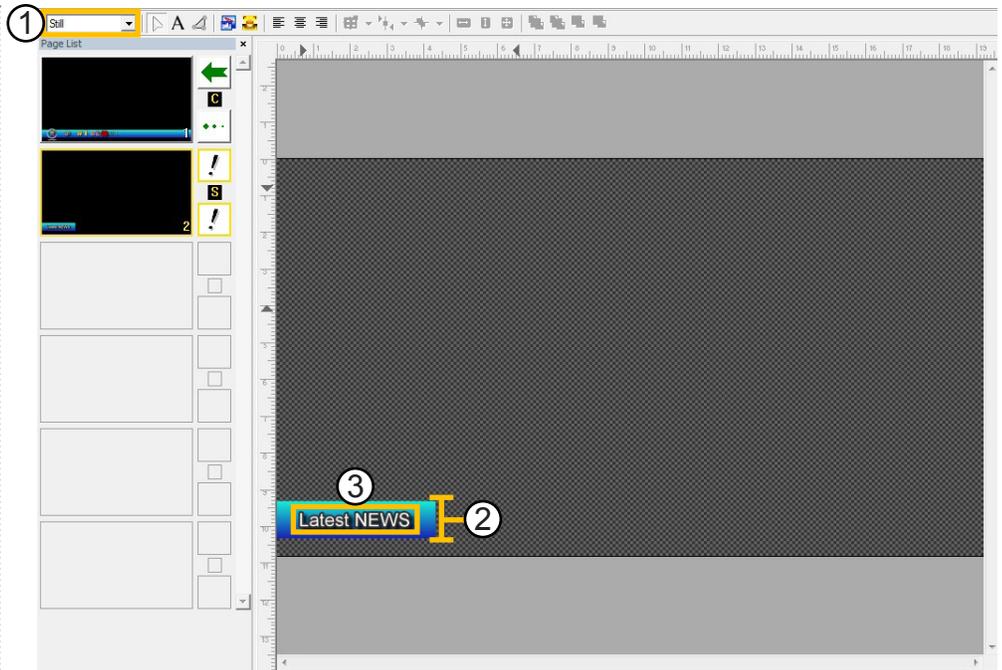


Optional Second Page for Crawls

This optional page allows for the customization of a header for the story data.

Tip

This optional page is very helpful when each story data in the text file is a different topic. Use a different template for each story data. When the template is triggered, the headline in the second page of the template will crawl across the screen, preceding the corresponding data elements.



① Create a second page in the Page List of the template file and set it to [Still] in the Page Mode drop down menu.

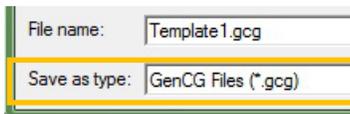
② Using the Shape tool, create another rectangle shape at the bottom of the canvas. It is recommended that this background shape and that of the first page have the same height and are the same color without shadows or edges for a smoother scroll effect.

③ Use the Text tool to type the heading within the background shape. If necessary, change the length of the rectangle to fit the length of the text.

④ Once finished, save this template file as a *.gcg file into one of the folders below.

Windows XP: C:\Program Files\Compix\NewsScroll\Template

Windows 7: C:\Users\UserName\Documents\Compix\NewsScroll\Template



Tip

Default Templates

Windows XP Location: C:\Program Files\Compix\NewsScroll\Template

Windows 7 Location: C:\Users\UserName\Documents\Compix\NewsScroll\Template

NewsScroll has many default GenCG templates that are needed to operate properly. The templates inside this folder can be updated and additional templates can be created, but the structure within and the actual files should not be deleted or renamed.

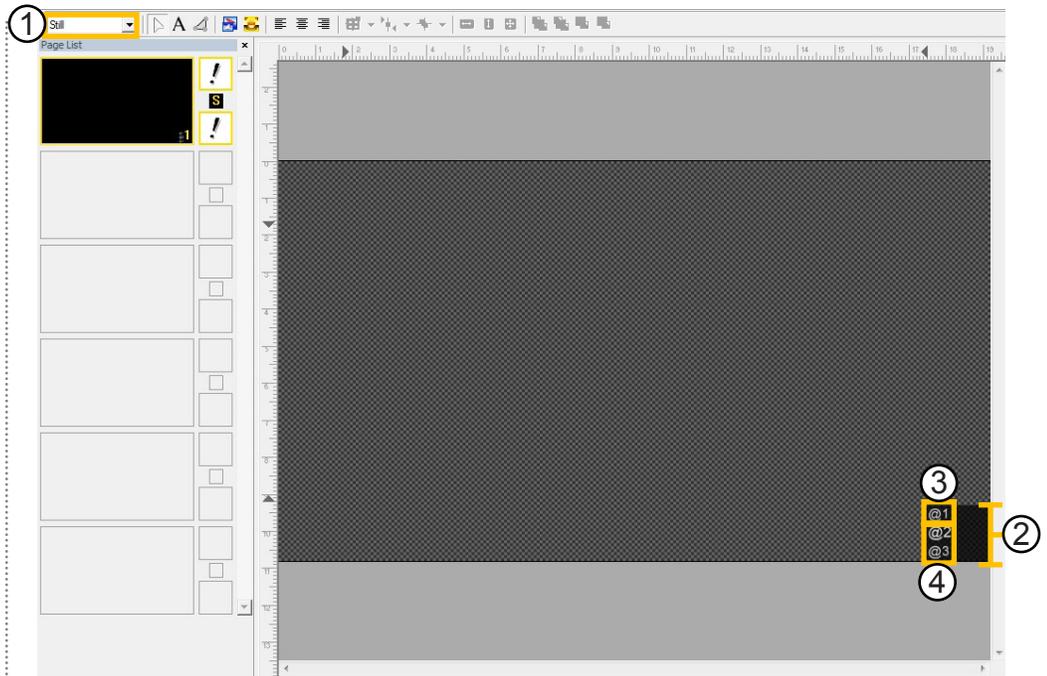
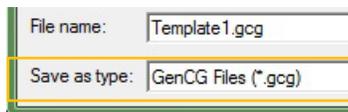
Data Box Templates

A data box template file allows the user to choose the style, color, and size of the text corresponding to the bits of data. It also offers the customization of the background design. Template files for NewsScroll 4.1 are created in GenCG.



Tip

Instead of creating a template file from scratch, feel free to edit weather_box.gcg, the default data box template from within the Template folder.



- ① Open a new project in GenCG and be sure the first page is set to [Still] in the Page Mode drop down menu.
- ② Using the Shape tool, create the desired shape for the look and feel of the data box. This shape will be used as the background for the text, so customize it by changing the color and transparency.
- ③ Now use the Text tool to type “@1” in the desired location for the data. This becomes the default font, color, and size for the first corresponding data elements, so customize as needed.
- ④ Continue to create text objects incrementing the number for all data elements needed. As an example, if there are three data elements to be displayed, there should be three text objects with the following text, respectively: “@1”, “@2”, and “@3”. Change the font attributes of each text object as desired.
- ⑤ Once finished, save this template file as a *.gog file into one of the folders below.

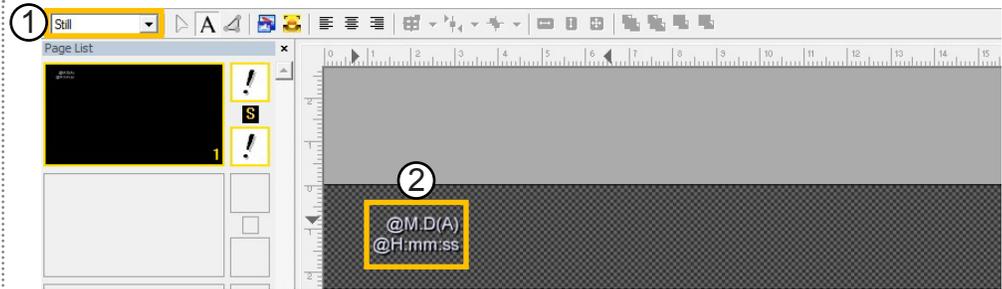
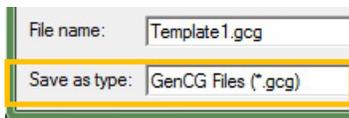
Windows XP: C:\Program Files\Compix\NewsScroll\Template
 Windows 7: C:\Users\UserName\Documents\Compix\NewsScroll\Template

Clock Templates

The clock template file allows the user to choose the style, color, and size of the text. Template files for NewsScroll 4.1 are created in GenCG.

Tip

Instead of creating a template file from scratch, feel free to edit `clock_format.gcg`, the default clock template from within the Template folder.



① Open a new project in GenCG and be sure the first page is set to [Still] in the Page Mode drop down menu.

② Select the [Clock/Timer] tab at the bottom of GenCG, giving access to the Time Format Notation section. Choose the desired format to be displayed and type it in using the Text tool. Be sure to place “@” at the beginning of each line of text. Set the desired font, color, and size for the clock text.

③ Once finished, save this template file as a *.gcg file into one of the folders below.

Windows XP: C:\Program Files\Compix\NewsScroll\Template

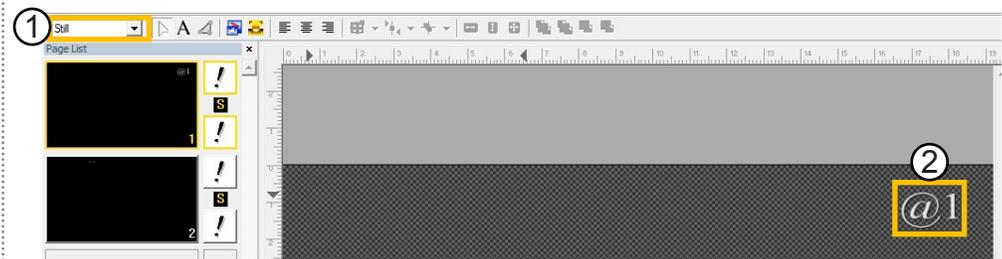
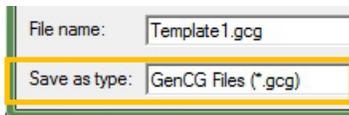
Windows 7: C:\Users\UserName\Documents\Compix\NewsScroll\Template

Title Templates

A title template allows the user to choose the style, color, and size of the text. Template files for NewsScroll 4.1 are created in GenCG.

Tip

Instead of creating a template file from scratch, feel free to edit `TitleLogo.gcg`, the default title template from within the Template folder.



① Open a new project in GenCG and be sure the first page is set to [Still] in the Page Mode drop down menu.

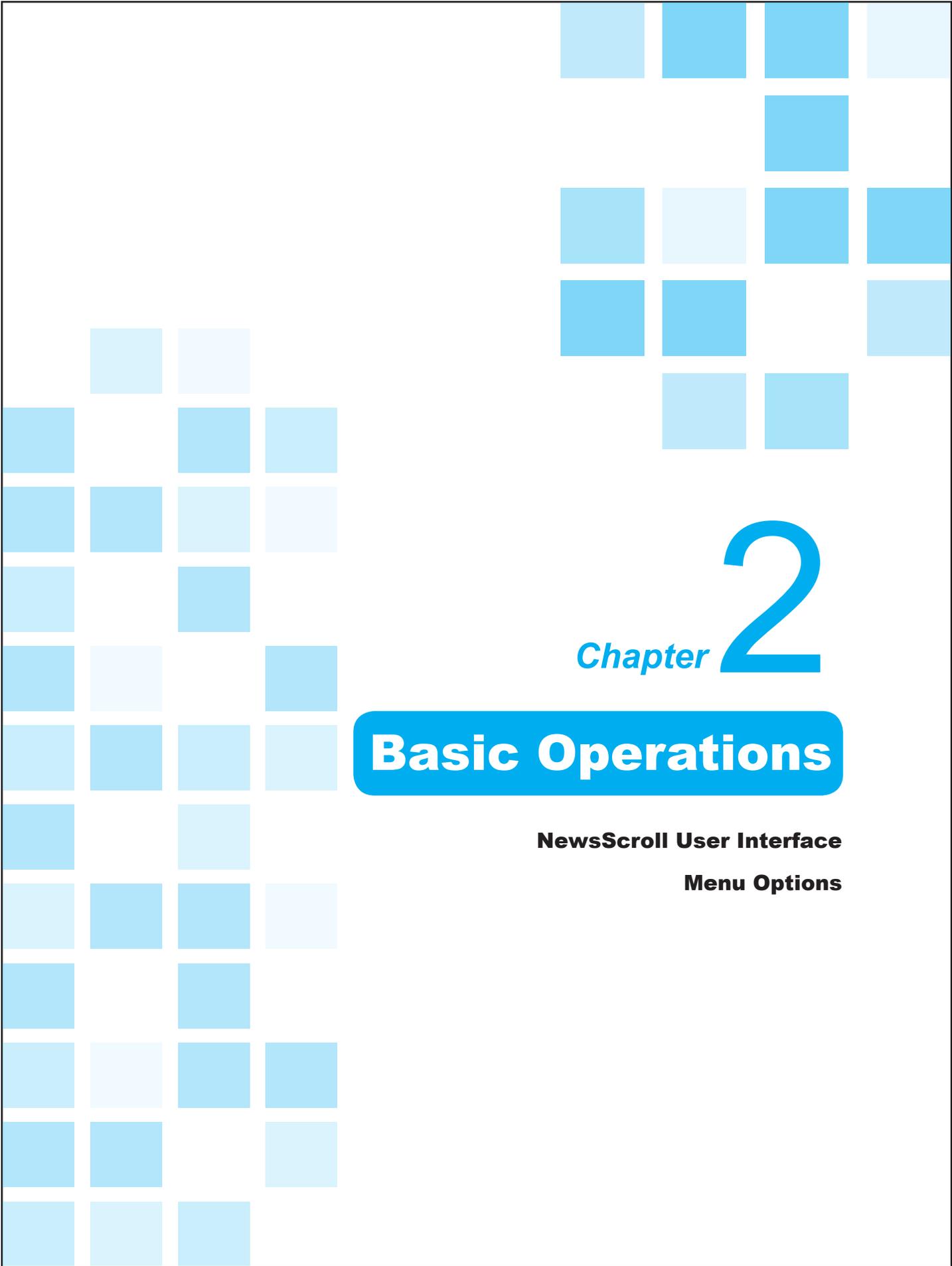
② Using the Text tool, type “@1” in the desired location. This becomes the default font, color, and size for the title text, so customize as needed.

③ Once finished, save this template file as a *.gcg file into one of the folders below.

Windows XP: C:\Program Files\Compix\NewsScroll\Template

Windows 7: C:\Users\UserName\Documents\Compix\NewsScroll\Template





Chapter **2**

Basic Operations

**NewsScroll User Interface
Menu Options**

NewsScroll User Interface

Board Configuration

When starting NewsScroll, if the system has two video output boards, a window will pop up like the one to the right. Each board can be used for program output only. Selecting both boards as output will open two instances of NewsScroll.



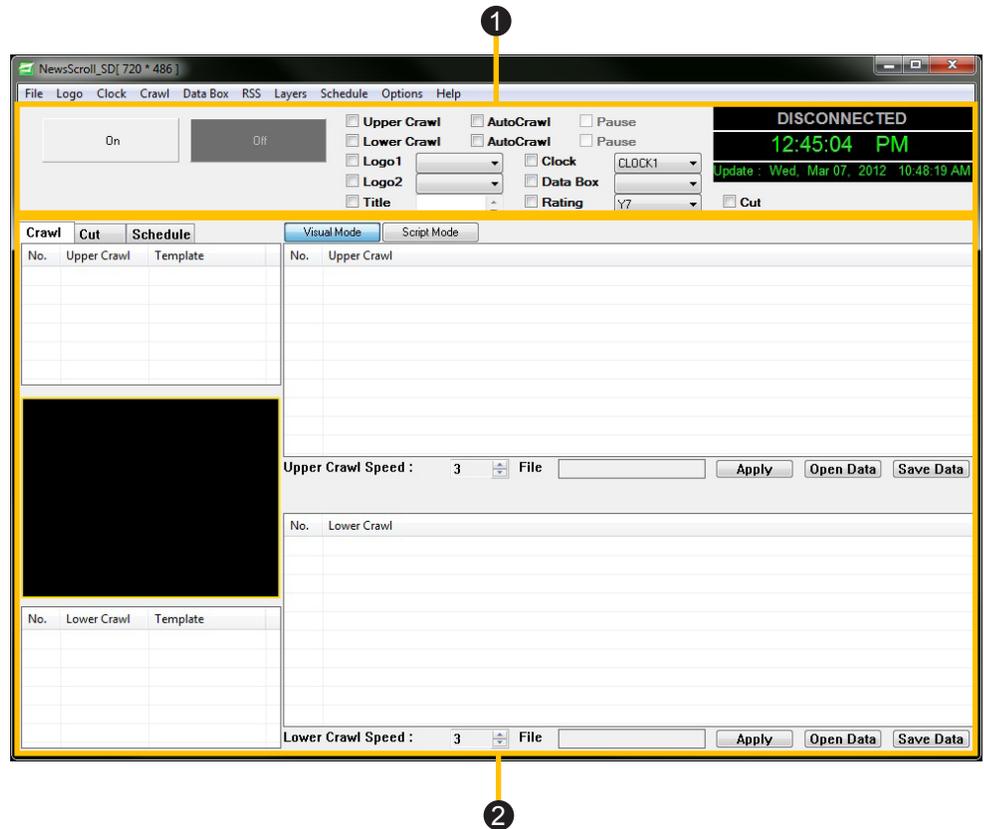
Select the desired output board and click [OK].

To specify that both boards are for program output, check the [Open Both] box. This opens two instances of NewsScroll.

Primary Screen

The picture shown to the right is the user interface of NewsScroll.

The user interface is the most essential part of NewsScroll and it is important to learn the terms and functions thoroughly.

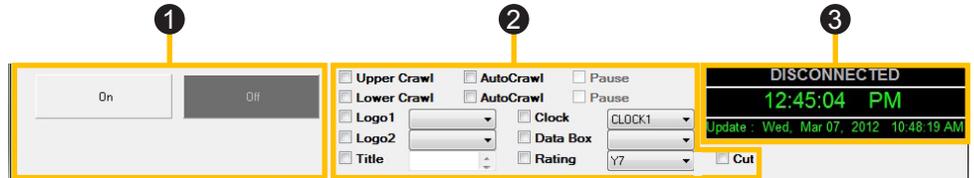


1 Playback Control: The upper portion of the window contains the playback control and check boxes of functions to be brought on air.

2 Edit Window: This area has three different views for Crawl, Cut, and Schedule. More detail can be found on each in the following corresponding sections.

Playback Control

The upper portion of the window consists of three sections: ON/OFF Buttons, Display Check Boxes, and the Information Window.



- 1 **ON/OFF Buttons:** Take the NewsScroll functions on and off air.
- 2 **Display Check Boxes:** Decide which functions to display by clicking on the check box next to it. The corresponding function will appear on the preview window immediately.
- 3 **Information Window:** This window displays information regarding NewsScroll.

ON/OFF Buttons

Cut functions In and Out using the [ON] and [OFF] buttons.



When the [ON] button is clicked, it will turn red in color and cut In the functions chosen in the Display Check Boxes. The data will remain on air until the [OFF] button is clicked.

Display Check Boxes

Choose which functions to display on air. Checking on a function's box will display the data on the preview window immediately.



If the [ON] button is clicked, all checked functions will be cut In on screen. If for any reason a function is no longer needed on air, unchecking the box while the [ON] button is clicked will bring the corresponding function off air.



Tip

Next to some of the check boxes are drop down menus or text fields that correspond to settings for each function. More information on these can be found in their respective sections in Chapter 3.

Information Window

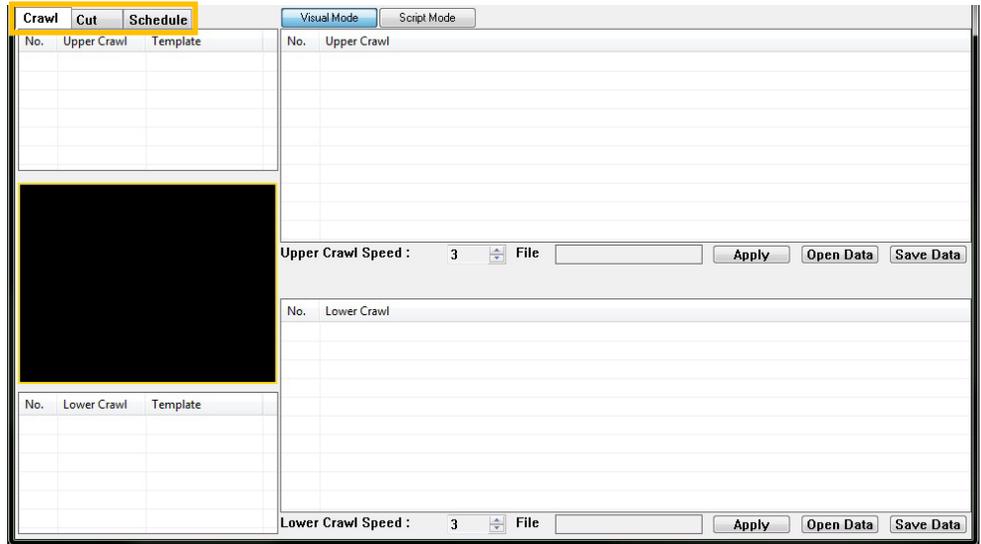
This displays necessary system information in regards to NewsScroll.



- **Connection Status:** Displays the connection status to the remote Automatic Program Control (APC) software.
- **Time:** Shows the current system time.
- **Last Update:** Shows the date and time of the last data update within NewsScroll.

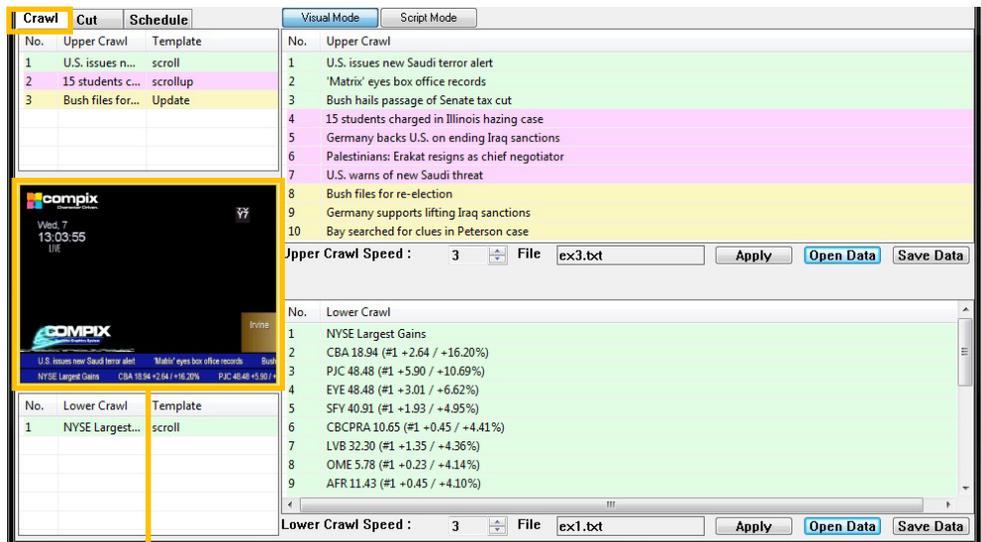
Edit Window

This window changes depending on which view has been selected. Choose one of three views from the tabs at the top of the window. Each view has different functionality.



Crawl View

Crawl View is the default view that appears when NewsScroll is opened. It is also the main editor for both crawls and contains a preview window which displays all desired functions.



The preview window displays all functions and is useful for checking positions and composition. It even displays a preview of the first data element of each crawl.



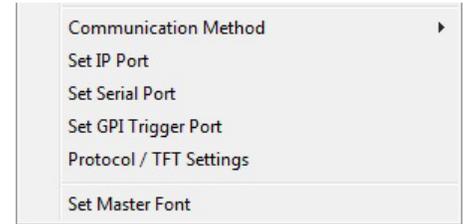
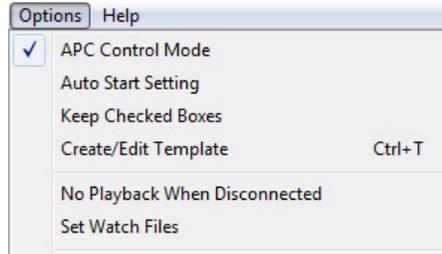
Tip

More detailed information and functionality can be found in Chapter 3.

Menu Options

Options Menu

The Options Menu contains all settings and options information.



APC Control Mode

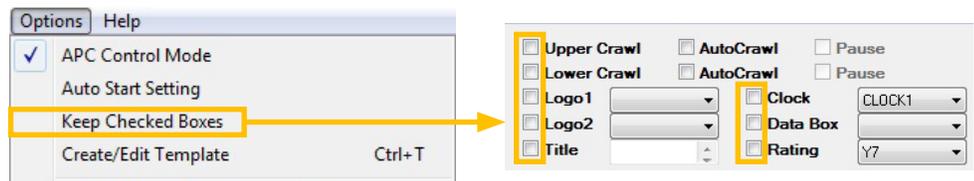
The Automatic Program Control (APC) Mode can be toggled on and off. This allows NewsScroll to be controlled by another program via a network. The protocol has full functionality as if the user is sitting right in front of the NewsScroll system itself, including creating data and controlling playback.

Auto Start Setting

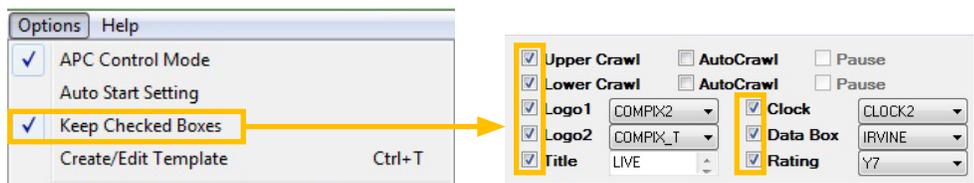
Toggle whether or not NewsScroll will automatically run a *.nss file when launched. The *.nss file must have been saved while the [ON] button was active.

Keep Checked Boxes

NewsScroll typically clears all marks in the Display Check Boxes area when the [OFF] button is clicked. Enable the [Keep Checked Boxes] feature to keep the marks active even after clicking [OFF].



With [Keep Checked Boxes] unchecked, once the [OFF] button is clicked, the boxes become deselected.



With [Keep Checked Boxes] checked, once the [OFF] button is clicked, the boxes remain selected.

Create/Edit Template



Tip

For more information on GenCG and its functionalities, please see the GenCG Manual appropriate for your version.

Select the [Create/Edit Template] option to open GenCG. Once in GenCG, create a template as necessary and save. The template will automatically be updated and ready to use within NewsScroll.

No Playback when Disconnected

If this feature is checked, NewsScroll will only be able to playback functions to air if it is connected to an APC software. This prevents any accidental playback and ensures that NewsScroll output works while under control of the APC software.

Set Watch Files

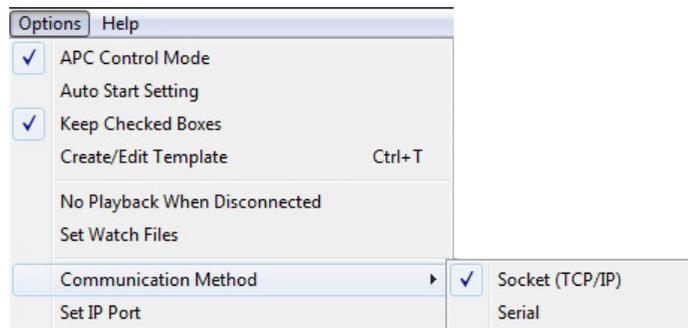
Set the text or data file path for either crawl by clicking on the [Browse] button. NewsScroll will watch these files for any updated information and display the changes while on air when the [Watch] box is checked.



NewsScroll can automatically watch and update text (*.txt) or data (*.dat) files for both crawls. The files are automatically opened upon running NewsScroll.

Communication Method

Choose between [Socket (TCP/IP)] or [Serial] as the communication method.



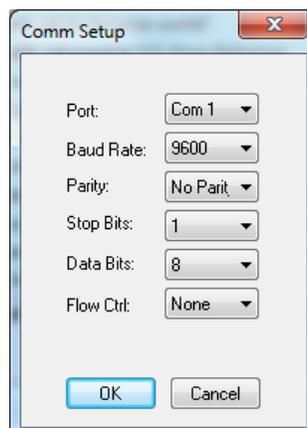
Set IP Port

Set the Port for this controller.



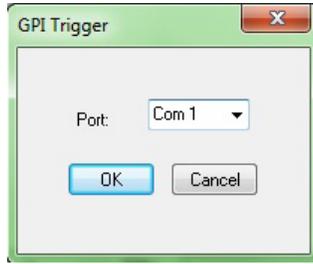
Set Serial Port

Set the Port, Baud Rate, Parity, Stop and Data Bits, and the Flow Control for this controller.

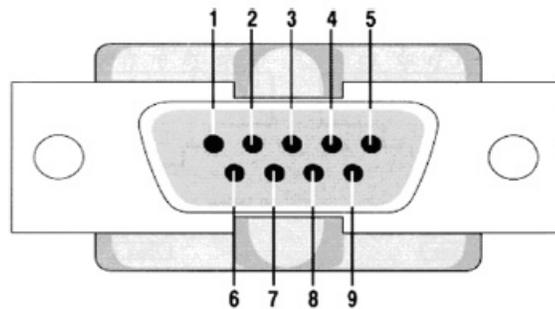


Set GPI Trigger Port

NewsScroll 4.1 can now be interfaced with a General Purpose Interface (GPI) Trigger. The GPI Trigger is designed for easy playback control of NewsScroll 4.1 without any programming. To begin set up of the GPI Trigger in NewsScroll 4.1, make sure the communication method is set to Serial by going to [Options] > [Communication Method] > [Serial]. Once that is set, go again to [Options] > [Set GPI Trigger Port]. In the new window, pictured to the right, select Com 1 or any available port in the [Port] field. The program is now configured to receive the GPI Trigger.



Below is a diagram of the RS-232 DB-9F serial port connector and pinouts. By connecting the correct pins together, you can control the ON/OFF functionality of NewsScroll 4.1. Please refer to the chart below for the correct pin combinations.



ON	7 - 8
OFF	4 - 6

Additional Start Functions:

1. Startup from a NewsScroll data file

By placing a NewsScroll data file (*.nss) shortcut in the Windows Startup folder, with [Keep Checked Boxes] selected inside the Options menu, NewsScroll 4.1 will start automatically into whatever state the *.nss data file was saved in when Windows is started.

2. Startup without a NewsScroll data file

A shortcut to the NewsScroll 4.1 application can be placed in the Windows Startup folder which will launch NewsScroll into a ready state, waiting for data from an external source. This will not load a *.nss file as the shortcut above.



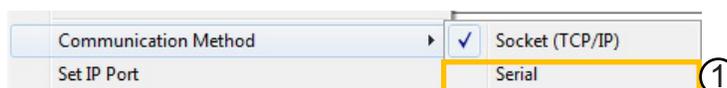
Tip

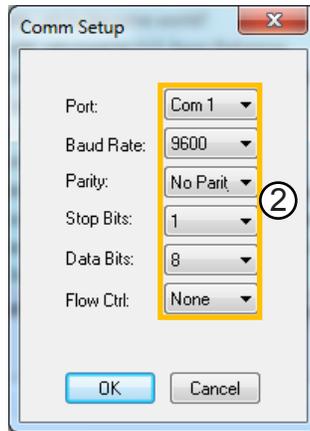
If more complete control of NewsScroll 4.1 functions is needed, the API or intelligent interface communication protocols may need to be used via serial or Ethernet (IP), which will require some programming. Please contact Compix Media customer service for the protocol manual.

Protocol/TFT Settings

Setting up TFT connectivity is easy. After the equipment is plugged in to the Compix system, setup takes only three steps to complete.

- ① Go to [Options] > [Communication Method] and be sure that [Serial] is checked.
- ② Open the Comm Setup window by clicking on [Options] > [Set Serial Port]. Select the appropriate Port, set Baud Rate to [9600], Parity to [No Parity], Stop Bits to [1], Data Bits to [8], and Flow Ctrl to [None]. (These settings are the RS232, ASCII Control Codes.) Click [OK] when done.
- ③ Click on [Options] > [Protocol / TFT Settings] to open the Protocol Settings window. Check the [Use TFT Protocol] box and click [OK] when done.





The 'Protocol settings' dialog box includes the following sections and options:

- Common:**
 - Get notifications every end of crawl loop (CMD : F0h)
- TFT:**
 - Use TFT Protocol
 - Clear and Restore Previous State after Alert
 - Message Repeat count: 3
- Keep Layer:**
 - Logo1
 - Logo2
 - Clock
 - Data Box
 - Title
 - Rating
 - Cut
- User Notice Format:**
 - User Notice Format
 - Time Zone: UTC - 04 : Atlantic Standard Time
 - Format:**

The [Originator] has issued a [Event] for the following Counties/Areas: [Location] at [BeginTime] on [BeginDate] Effective Until [EndTime] on [EndDate]. This is NOT Test!
 - Predefined variables:
 - [Originator] [Event] [Location]
 - [BeginTime] [BeginDate]
 - [EndTime] [EndDate]

Buttons: OK, Cancel

Check this to use the protocol settings for the connection to the TFT equipment.

Enter the number of times the alert should repeat.

Check this to customize the alert message.

Check this to receive notifications whenever a crawl in NewsScroll ends.

Check this to go back to the previous state of NewsScroll once the alert is completed.

Check the boxes corresponding to the features that are to be left on screen during the alert message.

Select the appropriate time zone.

Edit and customize the alert message. Predefined variables will be replaced with actual data when the alert goes on air.

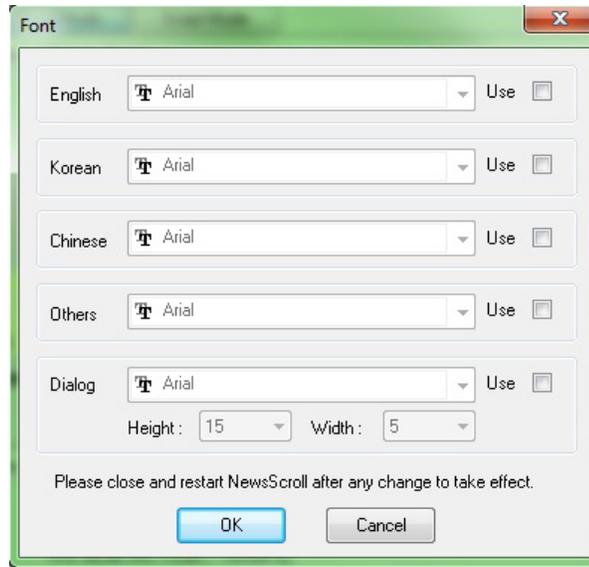
Set Master Font

Change the master output font for English, Korean, Chinese, and other languages' characters. The Dialog section changes the font type, height, and width in the Display Check Boxes. Check the [Use] box next to the desired section to display the master font.



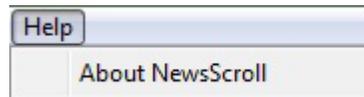
Tip

NOTE: To view the saved changes to the master font, the crawl data must be reloaded by clicking on the [Apply] button.



Help Menu

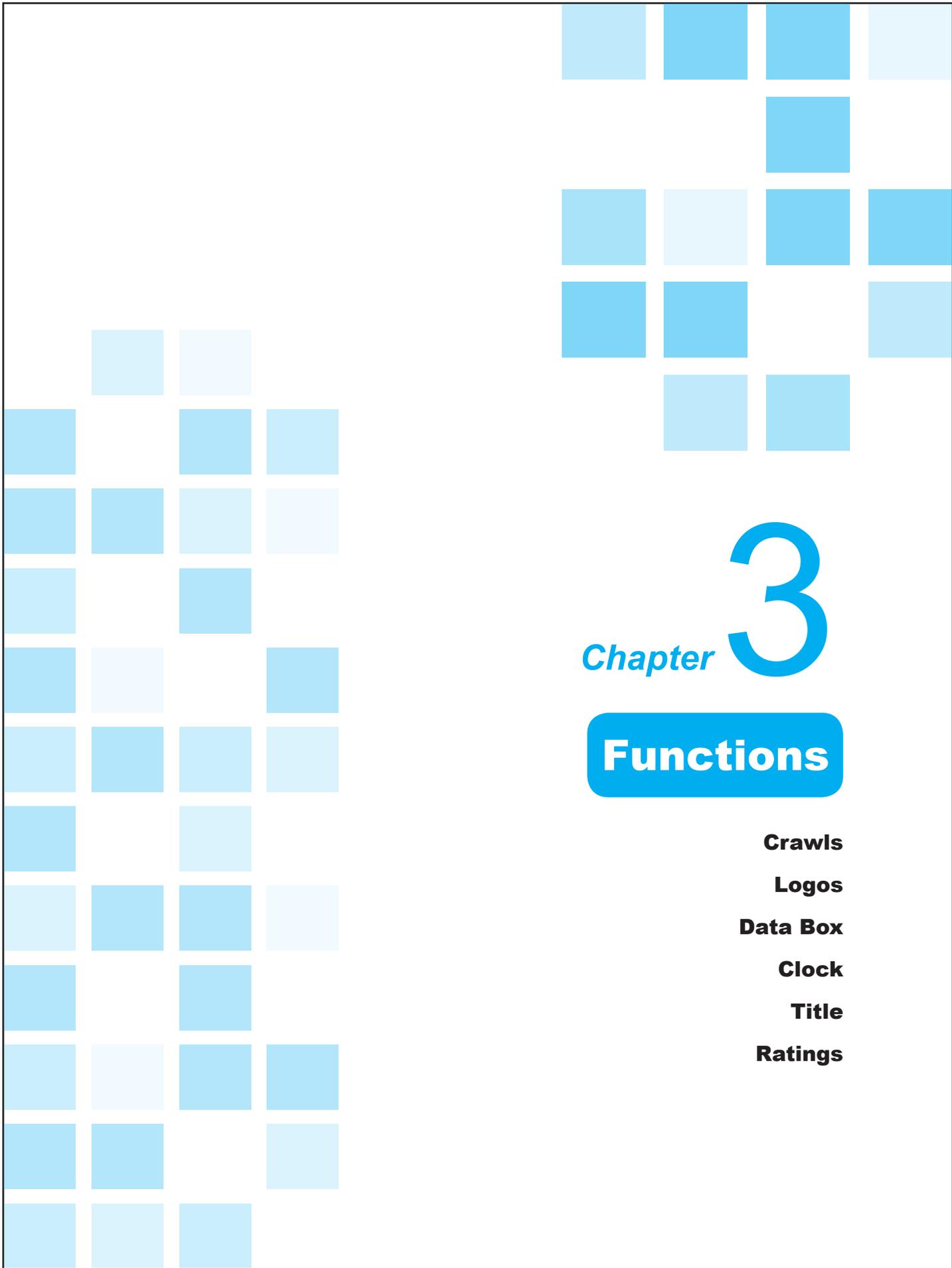
The Help Menu contains information about NewsScroll.



About NewsScroll

The About page contains information on NewsScroll, including version number, build number, and copyright information.





Chapter **3**

Functions

Crawls

Logos

Data Box

Clock

Title

Ratings

Crawls

There are two independent crawls that can be displayed: Upper and Lower Crawl. The story data is loaded into each of these crawls through the [Crawl] tab.

Crawls User Interface

Both Crawls can have unique Story Data that comes from either a text (*.txt) file or RSS feed.

The screenshot displays the NewsScroll Crawl User Interface. It features two main windows: 'Upper Crawl' and 'Lower Crawl'. Each window has a 'Crawl' tab and a 'Schedule' tab. The 'Upper Crawl' window shows a list of templates and their associated data elements, such as 'U.S. issues new Saudi terror alert' and '15 students charged in Illinois hazing case'. The 'Lower Crawl' window shows a list of templates and their associated data elements, such as 'NYSE Largest Gains' and 'CBA 18.94 (#1 +2.64 / +16.20%)'. The interface includes various controls like 'Visual Mode' and 'Script Mode' buttons, 'Crawl Speed' fields, 'File' fields, and 'Apply', 'Open Data', and 'Save Data' buttons. A 'Preview Window' is also visible, showing a static preview of all functions under the current settings.

These Color Application buttons replaces [Crawl Speed] when switching to Script Mode.

- 1 **Preview Window:** A static preview of all functions under the current settings.
- 2 **Template Window:** This area displays all templates being used within the corresponding crawl and the data each template begins with.
- 3 **Mode:** These buttons change the viewing mode of the crawl data between Visual Mode and Script Mode.
- 4 **Crawl Data:** Displays the list of all data elements per crawl.
- 5 **Crawl Speed:** Change the speed of each crawl independently.
- 6 **File Name:** This shows the name of the file that the data elements are coming from.
- 7 **Apply:** Apply any changes made to the data. This updates the data immediately within NewsScroll so that the new information will appear on the next cycle.
- 8 **Open Data:** Browse for a text file on your system which will provide the story data.
- 9 **Save Data:** Save any changes made to the data on the original text file.
- 10 **Color:** Apply the color to the highlighted text.
- 11 **...:** This pops up a color selection window that can then be applied using [Color].
- 12 **#1 - #4:** These buttons apply the corresponding template font attribute to the highlighted text.

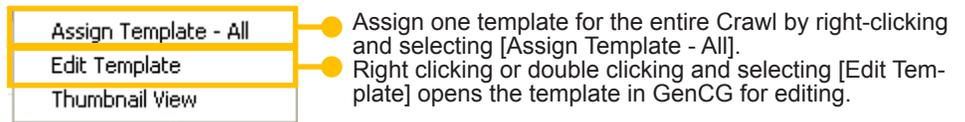


Tip

Even when using an RSS feed, the File field displays an RSS.txt or RSS2.txt file. This file is created for the Lower and Upper Crawls, respectively, with all information from the feeds so NewsScroll is able to watch these text files for updates.

Template Window

The Template window displays all templates being used by the corresponding crawl. This list can be viewed in either Text View or Thumbnail View.



No.	Upper Crawl	Template
1	NYSE Largest...	Foreign_mask

Text View



Thumbnail View

Text View allows for the display of the data element that each template begins with while Thumbnail view shows a preview of the formatting.

Mode

Change the crawl data view between Visual Mode and Script Mode.

Visual Mode is designed to make crawls easy to update and edit. This mode removes the need for coding each line, allowing the user to simply type in what needs to be displayed. Data are color coordinated with their assigned templates in the Template window.

Script Mode allows the user to see the imported text file as is, including the coding syntax.

No.	Upper Crawl
1	NYSE Largest Gains
2	CBA 18.94 (#1 +2.64 / +16.20%)
3	PJC 48.48 (#1 +5.90 / +10.69%)
4	EYE 48.48 (#1 +3.01 / +6.62%)
5	SFY 40.91 (#1 +1.93 / +4.95%)
6	CBCPRA 10.65 (#1 +0.45 / +4.41%)
7	LVB 32.30 (#1 +1.35 / +4.36%)
8	OME 5.78 (#1 +0.23 / +4.14%)
9	AFR 11.43 (#1 +0.45 / +4.10%)
10	EPL 24.50 (#1 +0.95 / +4.03%)

Visual Mode

```
*sc scroll
=NYSE Largest Gains
=CBA 18.94 (#1 +2.64 / +16.20%)
=PJC 48.48 (#1 +5.90 / +10.69%)
=EYE 48.48 (#1 +3.01 / +6.62%)
=SFY 40.91 (#1 +1.93 / +4.95%)
=CBCPRA 10.65 (#1 +0.45 / +4.41%)
=LVB 32.30 (#1 +1.35 / +4.36%)
=OME 5.78 (#1 +0.23 / +4.14%)
=AFR 11.43 (#1 +0.45 / +4.10%)
=EPL 24.50 (#1 +0.95 / +4.03%)
=JAH 31.74 (#1 +1.22 / +4.00%)
=PDA 71.48 (#1 +2.72 / +3.96%)
```

Script Mode

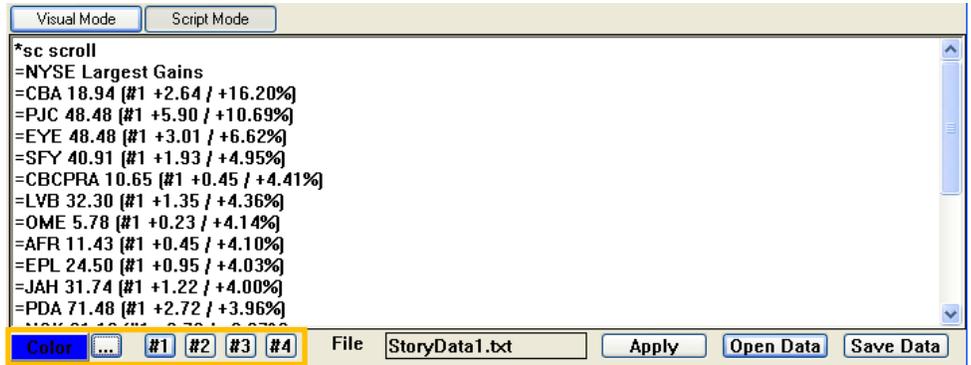
Crawl Data

All data is displayed in this window, whether it comes from a text file or an RSS feed. The data is completely editable; simply double-click and begin editing.



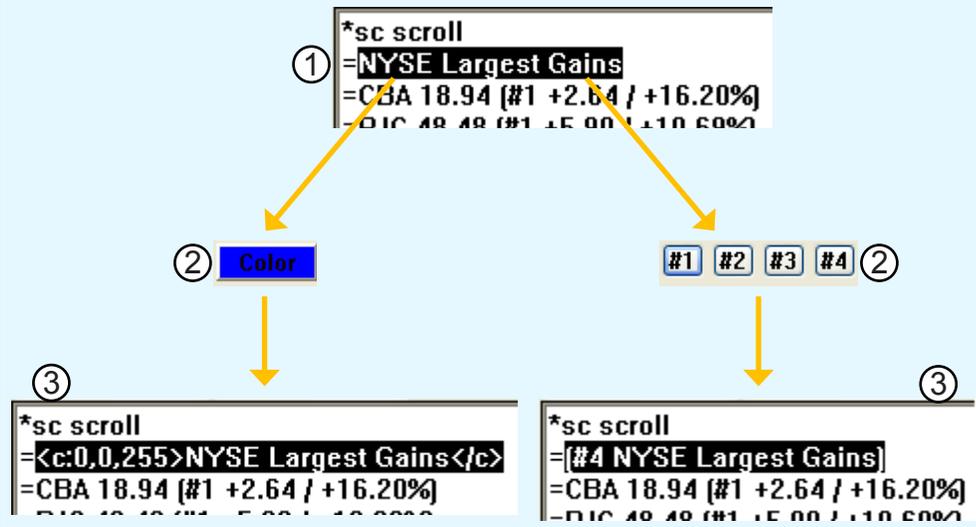
Color Application

In Script Mode only, these allow the user to change the color of high-lighted text with just the push of a button.



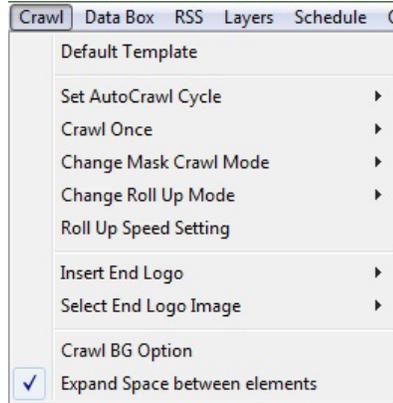
Press the [...] button to open the Color window and select the desired color.

- ① To change the color or attributes of the text, begin by highlighting the desired text.
- ② Click on either the [Color] button or one of the numbered attributes buttons.
- ③ The changes are made to the script automatically.



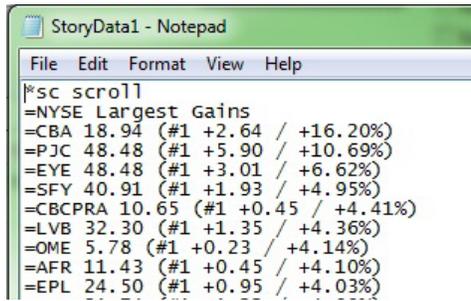
Crawl Settings

This section covers the crawl options as well as all other options relating to crawls. Available features include fading in and out, setting the number of loops, and a Rollup mode.



Editing Crawls

There are two different ways to edit the crawls: via the original text file or NewsScroll itself.



Since NewsScroll has the ability of watching for updates, text files can be placed on a server or any other location where it can be easily edited. Once saved, NewsScroll will update the information live.

Editing the crawl through NewsScroll is great for last minute changes and updates. When the editing is done, simply click [Apply] to update the changes.

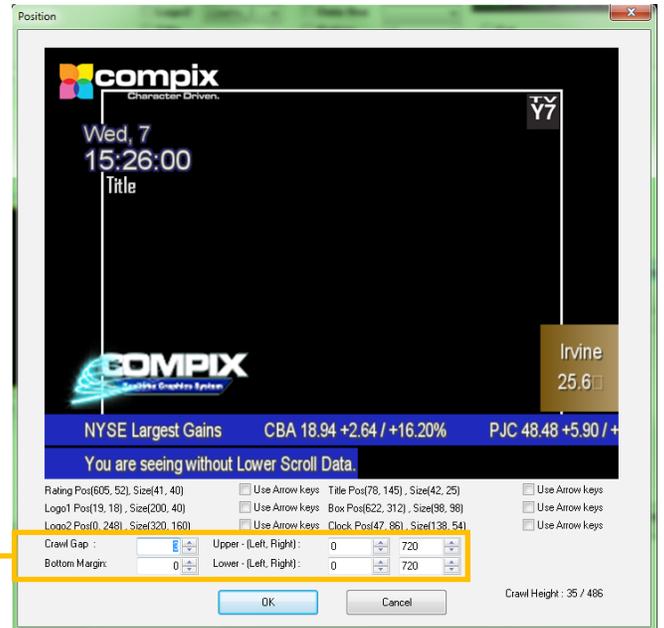
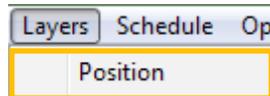
Set Crawl Position

To set the position for any function in NewsScroll, go to [Layers] > [Position]. Simply click and drag the crawl in the Position window to the desired location.

Set the distance between the two crawls by adjusting the pixel value in [Crawl Gap].

Changing [Bottom Margin] allows the user to set the distance from the bottom of the video output to the bottom of the Lower Crawl.

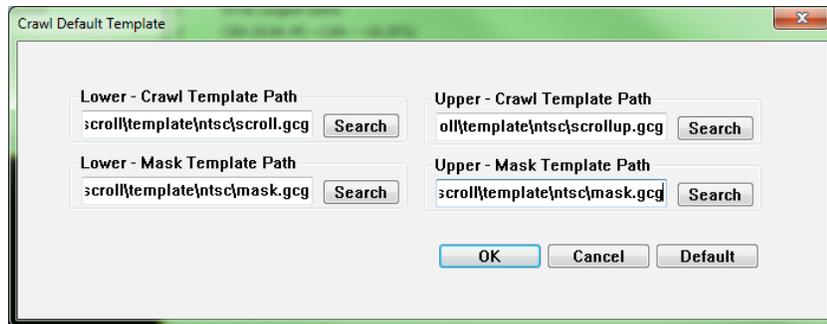
[Upper - (Left, Right)] and [Lower - (Left, Right)] adjusts the left and right margins for each crawl.



Crawl Position Settings

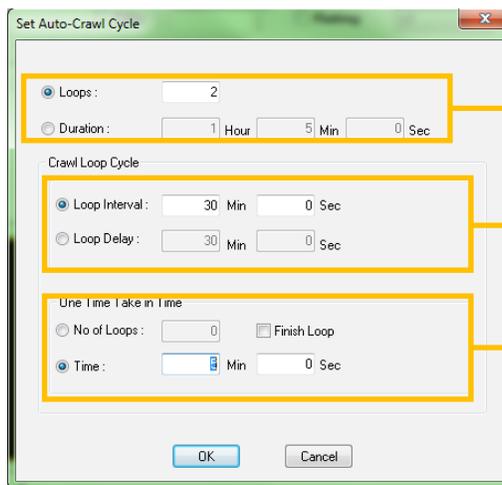
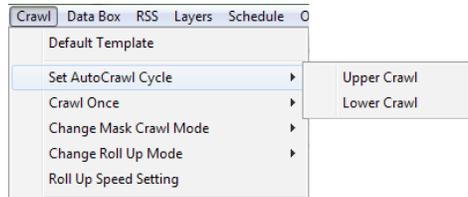
Default Template

Browse for default templates for both crawls and masks. The default template appears in the case when the imported text file has no template associated with it.



Set Crawl Cycles

The user can set how long the crawl should run or for how many loops. To set up this option, go to [Crawl] > [Set AutoCrawl Cycle] and select the appropriate crawl.

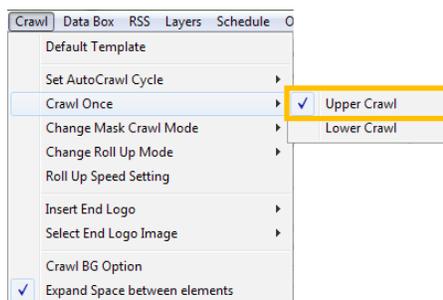


Loops: This is the total time or loops in which the [Crawl Loop Cycle] is to be played. If the values set here expire before the [Crawl Loop Cycle] has finished, NewsScroll will continue playing until the [Crawl Loop Cycle] has finished.

Interval and Delay: Select the interval and delay times for the crawl. [Loop Interval] is the total time the cycle will be playing. [Loop Delay] suspends the crawl by the amount of time entered.

One Time Take in Time: Set the number of loops or the time in which the story data will be played. When [Time] is selected, the option for [Finish Loop] becomes available. If this is left unchecked, the crawl will cut off any data elements that are running when the times expires.

Another option is to force the crawl to loop only once. To do this, go to [Crawl] > [Crawl Once] and check the appropriate crawl.



Tip

Set AutoCrawl Cycle Example

Using the screen shot above, this will be the sequence of events.

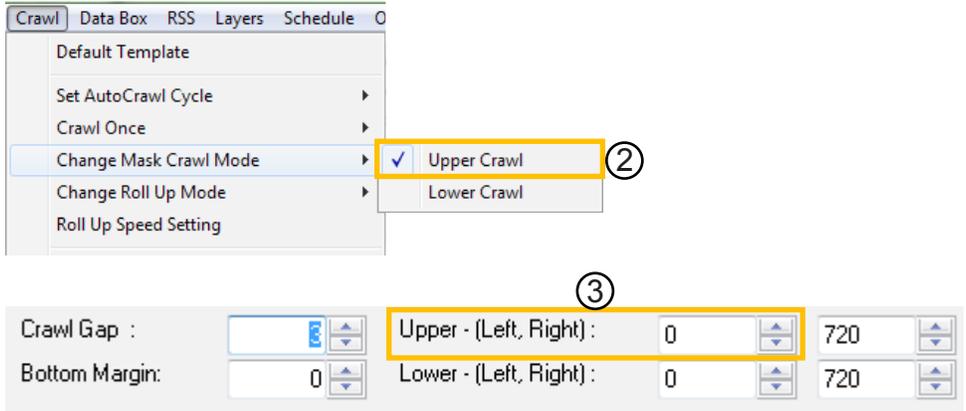
The Crawl will cycle through the story data for 5 minutes. Since the [Loop Interval] is set to 30 minutes, there will be a 25 minute blank period before the next 5 minute crawl begins. This cycle occurs twice because [Loops] is set to 2. When the 2 loops are completed, the NewsScroll AutoCrawl feature will automatically turn off.

Change Mask Crawl Mode

Check this option to enable a mask for the crawl. This displays a static area to the left of the crawl for logos or text.

Tip

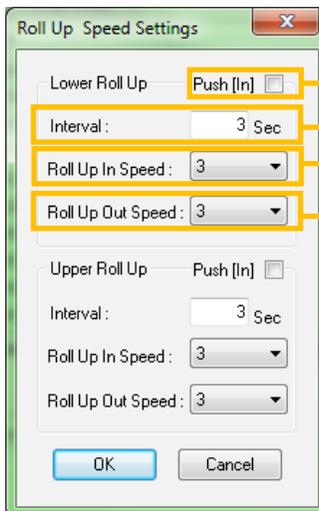
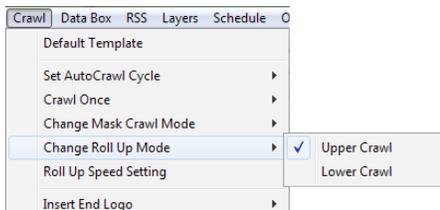
The mask template must be named "Crawl/Template_mask.gcg", after the crawl template it is associated with. For example, scroll.gcg is the crawl template and scroll_mask.gcg is its mask template. "@1" must be present in the mask template as a placeholder for the text. The text displayed is the name of the file; in this example "scroll" would be shown upon output. If no text is needed, change the transparency of the text object to [100%]. With the text transparent, a logo can be placed within the mask instead.



- ① Be sure to create a mask template in [Still] or [MultiLayer] page mode.
- ② Go to [Crawl] > [Change Mask Crawl Mode] and select which crawl will have the mask.
- ③ Then go to [Layers] > [Position] and adjust the Left margin of the corresponding crawl. This moves the crawl to the right, leaving the left space for the mask.

Set Rollup Mode

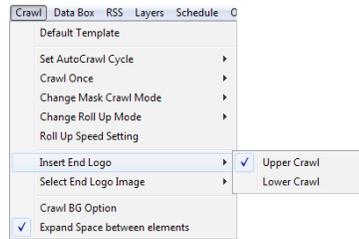
Checking [Change Roll Up Mode] switches the crawl from scrolling to stationary while transitioning from one data element to another by rolling the text up. Change the rollup settings by clicking on [Crawl] > [Roll Up Speed Settings].



- **Push[In]:** This creates a pushing effect instead of a rollup effect.
- **Interval:** Adjust the display time for each data element.
- **Roll Up In Speed:** Change the speed at which the data element transitions in.
- **Roll Up Out Speed:** Change the speed at which the data element transitions out.

End Logo

An End Logo is an image that is inserted into the crawl between cycles of story data. To enable this option, go to [Crawl] > [Insert End Logo] and select the appropriate crawl. To select the image, click on [Crawl] > [Select End Logo Image] and choose the desired crawl.



Tip

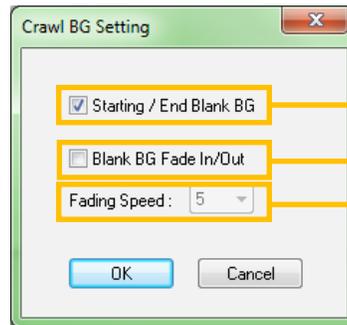
NOTE: If the logo's height is greater than the crawl's height, the logo will be automatically cropped.



Change the distance of the image from the last data element by entering the desired number of pixels from 0 to 1000.

Crawl Background Option

These are the display settings for the crawling bar behind the data elements.



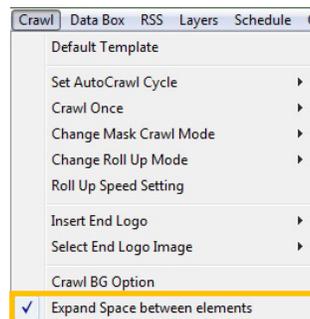
Starting / End Blank BG: Check this to display an empty background bar before any text appears.

Blank BG Fade In/Out: Adjust the Fade In and Out of the blank background bar. Every time the crawl is checked or unchecked in the Display Check Boxes area or the [ON] and [OFF] buttons are clicked, the bar fades in or out respectively.

Fading Speed: Change the speed at which the bar fades.

Expand Space Between Elements

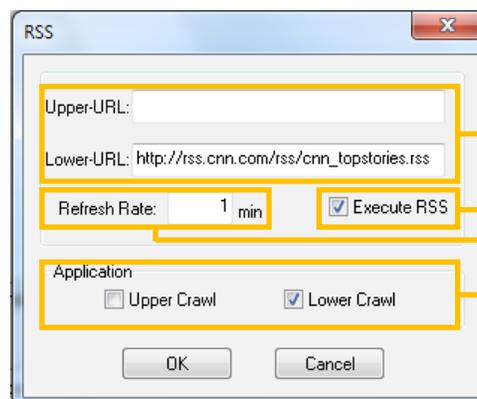
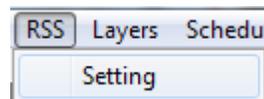
Select this option to widen the space between data elements within the crawls.



RSS Settings

Another way to populate a crawl is by RSS feed. When the RSS feed is updated, NewsScroll will refresh the data automatically and display the new information on the next cycle.

To set up the RSS feed, go to [RSS] > [Settings].



URL: Copy and paste the desired Web-based RSS feed address into the correct Crawl URL field.

Execute RSS: Change the speed at which the bar fades.

Refresh Rate: Adjust the time in which News-Scroll updates the data from the RSS feed.

Application: Choose which crawl will be displaying the selected RSS feed.

Logos

Logos at a Glance

NewsScroll can display up to two logos which can be either static images or animations. Here are 5 easy steps to bring a logo to air.



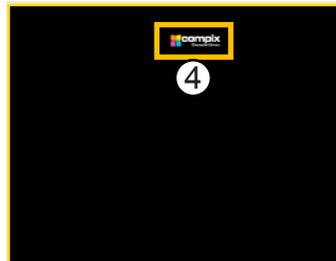
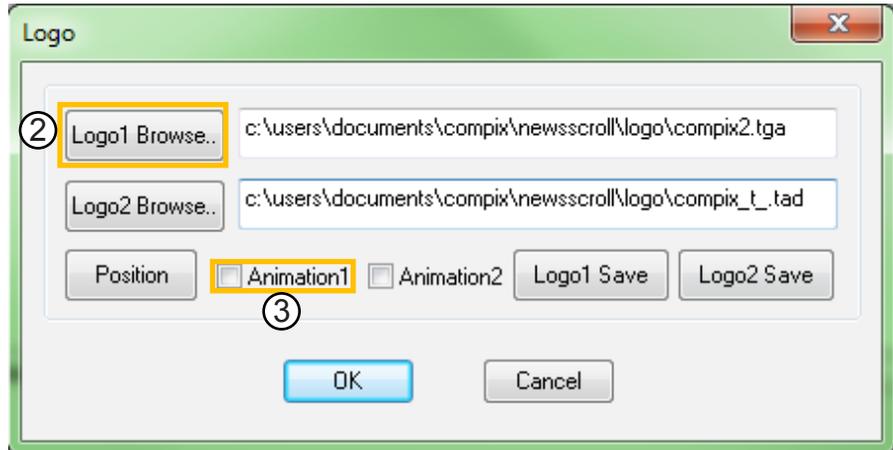
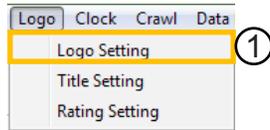
Tip

Supported image files are *.bmp, *.jpg, *.tga, and *.tad. The *.tad files are pre-created animation files from GenCG.



Tip

Image sequence names should include numbers in sequential order for NewsScroll to open the animation. For example, use image0001 and image0002. If the names are not in sequence, NewsScroll will only open the selected file.



- ① Go to [Logo] > [Logo Setting] to open the Logo window.
- ② Click on the [Browse] button corresponding with the desired logo and locate the image to be used. If the logo is a sequence of images, open only the first image in the sequence.
- ③ If the logo is an animation, check either [Animation1] or [Animation2]. These correspond to the first and second logo respectively.
- ④ Check the corresponding box in the Display Check Boxes. The logo will appear in the Preview Window as a static image.
- ⑤ To bring the logo on air, click the [ON] button.

Logo Settings

All logo settings are done through [Logo] > [Logo Setting]. Logos can be displayed anywhere on the video output screen, including over a crawl.

Browse...

Search for the desired image or sequence of images to be used for either logo.

Position

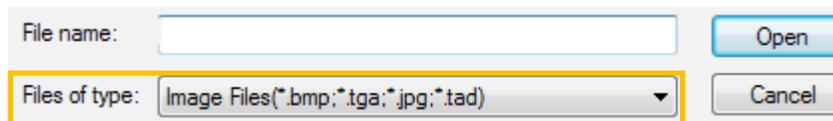
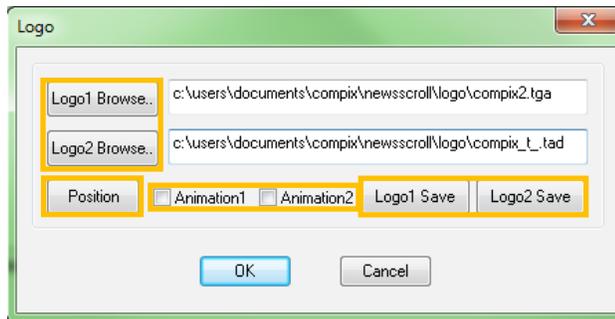
Clicking this button opens the Position window. Simply drag and drop either logo into the desired position on screen. Check the [Use Arrow Keys] box and the corresponding function can be manipulated by the arrow keys on the keyboard.

Animation

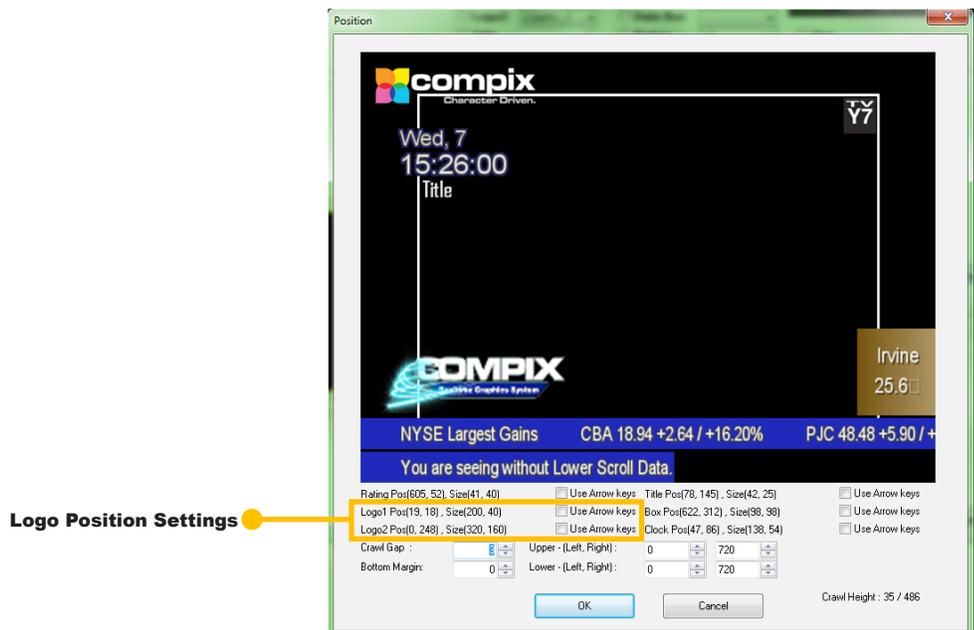
If using an animated logo, check the corresponding [Animation] box. This tells NewsScroll to look for and animate the sequence of images.

Save

Use the [Save] buttons to save the specific image with its current position. NewsScroll saves this information as a Settings File with a unique name.



Supported image files include *.bmp, *.tga, *.jpg, and *.tad.



Logo Position Settings



Saved Settings Files appear in the drop down menus next to each logo in the Display Check Boxes area.



Tip

To remove a Logo Settings File, go to C:\Users\UserName\Documents\Compix\NewsScroll\SettingFile\Logo or \Logo2 and delete the appropriate file while NewsScroll is closed.

Data Box

Data Box Settings

The Data Box can read from text files, XML files, or Web sites. To change the settings, go to [Data Box] > [Settings].

- 1 **General Settings:** The General Settings area allows the user to save the data box as a Settings File, change the transition speed, and automatically check for updates.
- 2 **Template:** Change and position the template for the data box.
- 3 **Data:** This is the most important part of the interface. Here, the user can select whether to use a text file, XML file, or Web site to upload data for the data box.

General Settings

Much like logos, the [Save Settings] button creates Settings Files with unique names that appear in the drop down menu within the Display Check Boxes area.



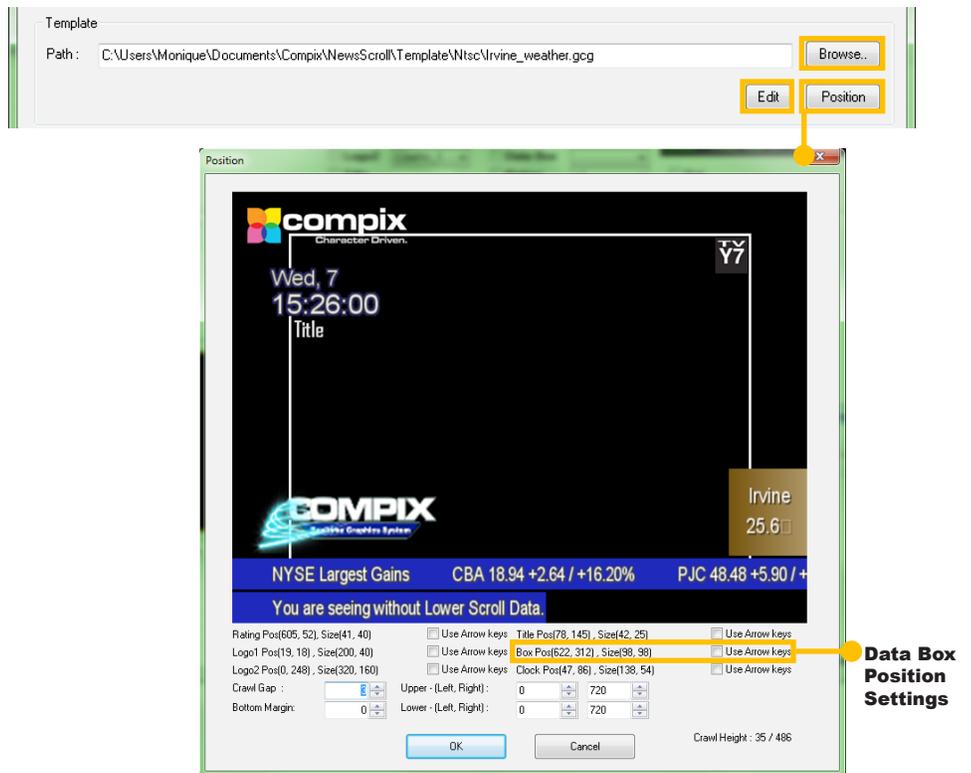
Tip

To remove a Data Box Settings File, go to C:\Users\UserName\Documents\Compix\NewsScroll\SettingFile\Box and delete the appropriate file while NewsScroll is closed.

-
- **Transition Speed:** Change the speed at which the transitions occur.
 - **Playing Interval:** When [Single Group] is unchecked, change the time interval length for each set of data.
 - **Single Group:** Checking this box will leave the data on screen without transitions. If there are multiple sets of data that need to be transitioned in and out, leave this box unchecked.
 - **Watch:** Checking this box tells NewsScroll to check the data source regularly for updates.
 - **Save Settings:** Save the template, data source, and position as a Settings File.

Template

This area allows the user to select the data box template to be used. Click on [Edit] to open GenCG and make changes to the template. The [Position] button opens the Position window. Just like the logo functions, the data box can be moved to the desired position by either dragging and dropping or using the arrow keys.



XML Data

XML data files can be either in document form or have a URL address. If the XML file is from a Web site, be sure the the [From URL] box is checked. This activates the URL field where the address can be pasted. Otherwise, the File field is active and the user can browse for the file on their system.

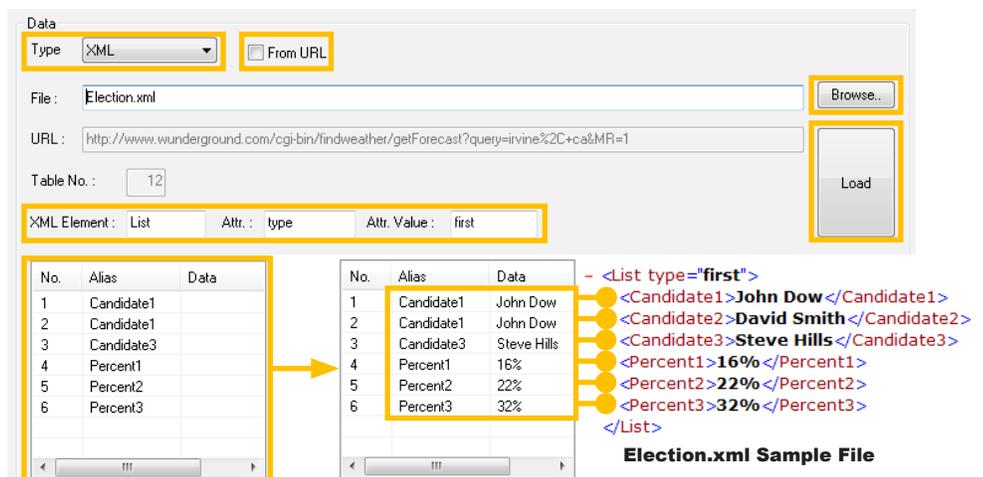
An example template for XML data, named Election.gcg, can be found in:

C:\Users\UserName\Documents\Compix\NewsScroll\Template.



Tip

The aliases in the template need to correspond to the element names in the XML file (Candidates and Percents in this example).



Once the file or URL has been chosen, enter the corresponding data into the XML Element, Attr., and Attr. Value fields. Click [Load] when done to load the data into the alias table at the bottom of the window.

Text File Data

Gathering data from a text file is simple and only requires the upper portion of the Data section. Be sure that the Type field is set to [Text File], then click the [Browse] button to select the desired *.txt or *.dat file.

Web Data

The data box can display information off Web sites by using the site's table numbers.

An example template for web data, named Irvine_weather.gcg, can be found in:

C:\Users\UserName\Documents\Compix\NewsScroll\Template.

An example template for text file data, named weather_box.gcg, can be found in: C:\Users\UserName\Documents\Compix\NewsScroll\Template.

No.	Alias	row,col (table)
1	Temperature	

No.	Alias	row,col (table)
1	Temperature	2,1(1) [7]

NNEat16

NNE at 16



Tip

The first table contains information on the template aliases. The center table displays the data within the Web site table once loaded. The third table to the right contains extra information in the case that a cell from the central table has multiple pieces of data.

- ① Copy and paste the address into the URL field and enter the correct table number.
- ② Click on the [Load] button to bring the data from the Web site to the center table at the bottom of the window.
- ③ To associate an alias with data, click on the alias in the first table, then on the cell with the desired information in the center table.
- ④ If there are multiple pieces of data in the data cell, click on the specific information in the table on the right.

Clock

Clock Settings

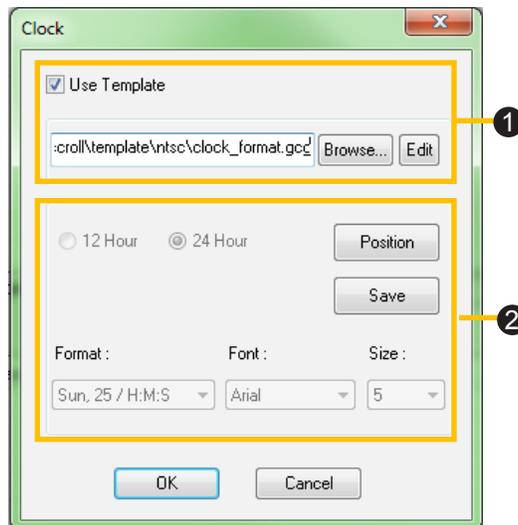
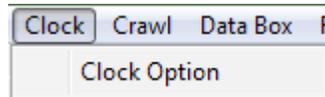
Clocks in NewsScroll take the date and time from the Microsoft Windows Operating System. Two types of clocks can be displayed: preset clocks within NewsScroll or from a custom created template.

Template

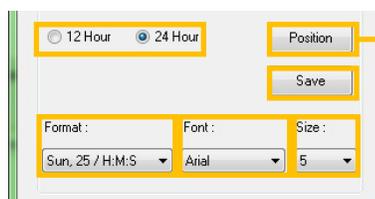
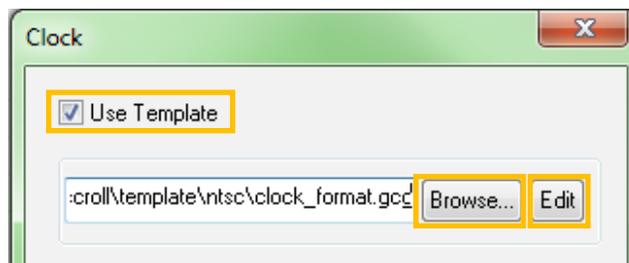
Check [Use Template] to activate the [Browse...] button. Search for the desired template to be used for the clock or click the [Edit] button to open the template in GenCG to save changes.

Preset

This area allows the user to select options for a preset clock. Decide whether the clock should be 12 Hour or 24 Hour. Select the desired Format, Font, and Size from the drop down menus. The [Position] button opens the Position window. Much like logos, the [Save] button also creates Settings Files that will appear in the drop down menu within the Display Check Boxes area.

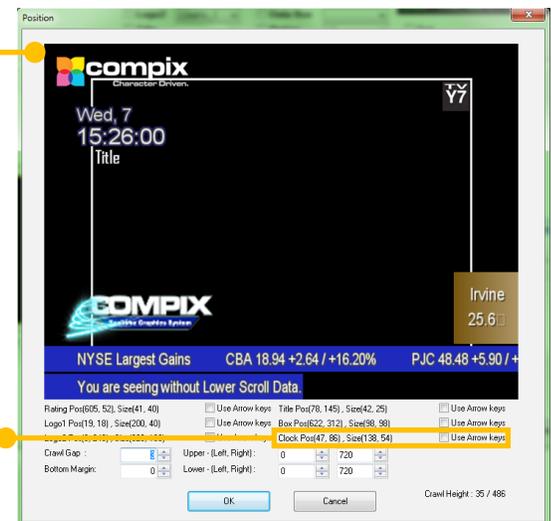


- 1 Template:** Activate and change the clock template file.
- 2 Preset:** Settings for the preset clock options.



The clock can be moved to the desired position by either dragging and dropping or using the arrow keys.

Clock Position Settings



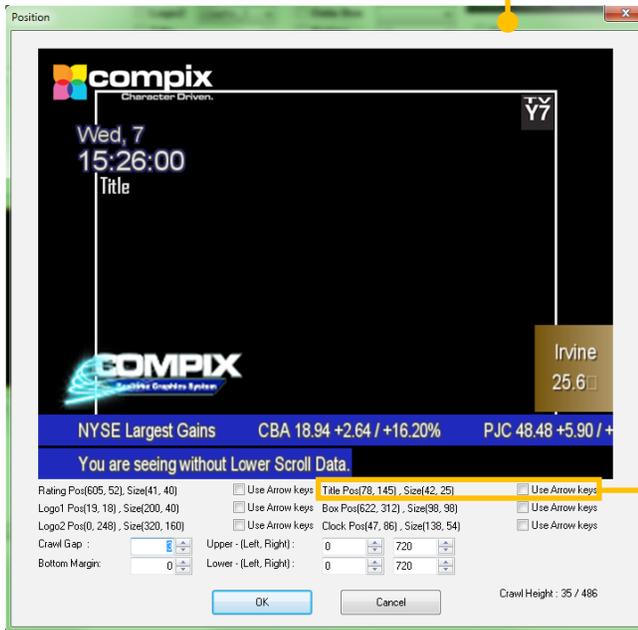
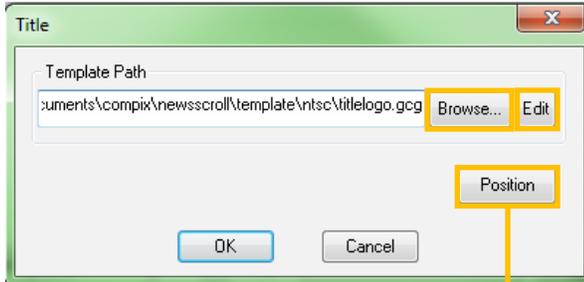
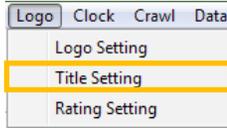
Tip

To remove a Clock Settings File, go to C:\Users\UserName\Documents\Compix\NewsScroll\SettingFile\Clock and delete the appropriate file while NewsScroll is closed.

Title

Title Settings

Titles in NewsScroll are manually typed text played out on air. The text attributes are determined by a template created in GenCG and the updating is done within NewsScroll itself. To access the settings, go to [Logo] > [Title Setting]. Click [Browse...] to open the desired template or [Edit] to make changes in GenCG. The [Position] button opens the Position window. Much like logos, the title can be moved to the desired position by either dragging and dropping or using the arrow keys.

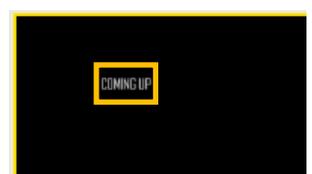
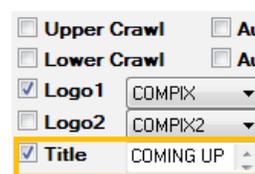
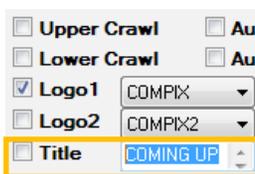
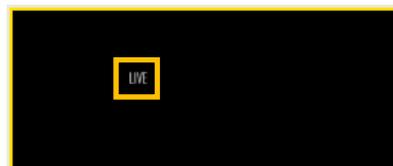
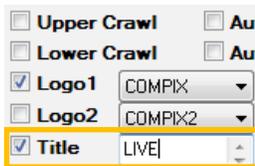


Title Position Settings

Bringing Titles On Air

To bring a title on air, simply type into the text field in the Display Check Boxes area. Be sure that the [Title] box is checked, then click the [ON] button.

If the title needs to be changed while on air, uncheck the [Title] box, type in the new title, and re-check [Title]. This updates the title while keeping all other functions on air.

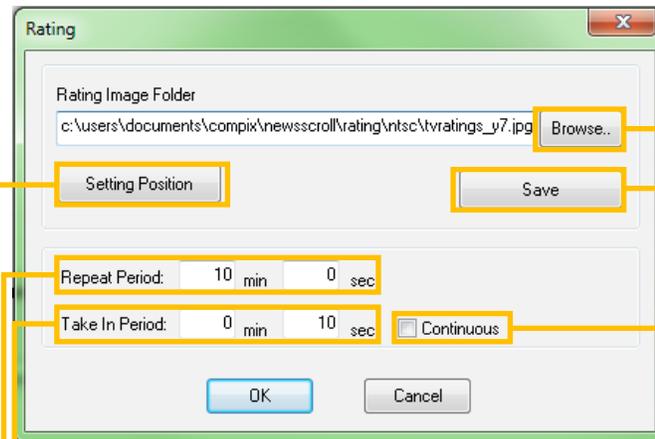
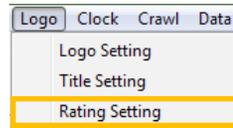


Ratings

Ratings Settings

The ratings function makes it possible to display an image for a period of time, then have it disappear and reappear in a fixed time frame. Ratings are static images and support *.bmp, *.tga, and *.jpg files. Any ratings images must be in the Ratings folder on the Compix system to be used.

Much like logos, the [Save Settings] button creates Settings Files with unique names that appear in the drop down menu within the Display Check Boxes area.



Browse...: Search for the desired ratings image.

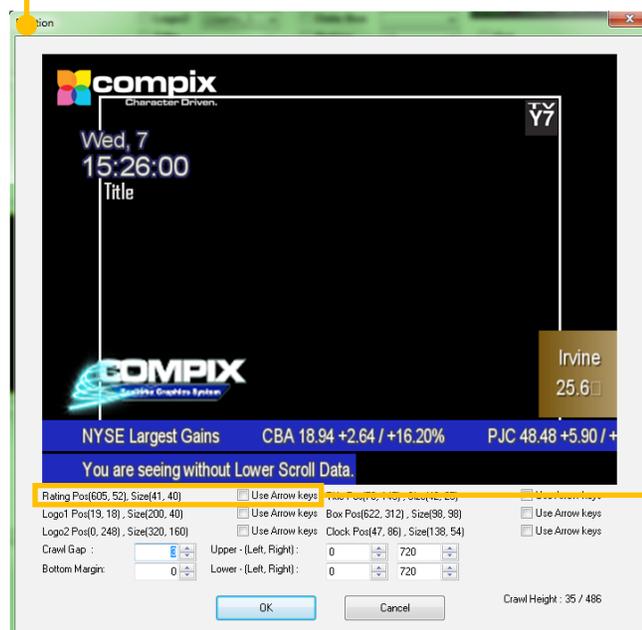
Save: Save the image and position as a Settings File with a unique name that appears in the drop down menu within the Display Check Boxes area.

Continuous: Check this to have the rating image remain on screen without an interval.

Take In Period: This is the amount of time the ratings image remains on screen.

Repeat Period: This is the amount of time it takes for the ratings image to appear back on screen.

Setting Position: Click this button to open the Position window. The ratings can be moved to the desired position by either dragging and dropping or using the arrow keys.



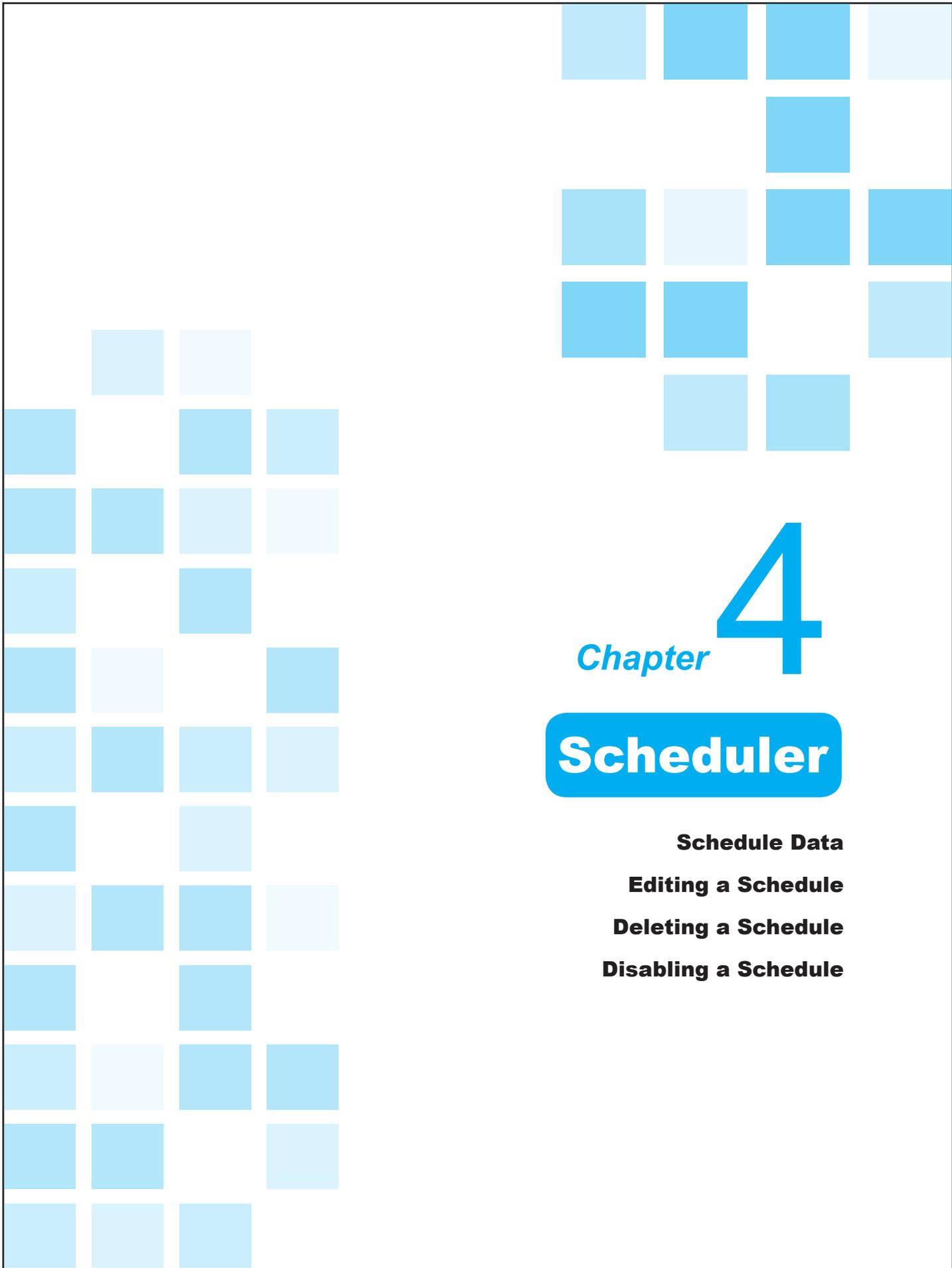
Rating Position Settings



Tip

To remove a Rating Settings File, go to C:\Users\UserName\Documents\Compix\NewsScroll\SettingFile\Rating and delete the appropriate file while NewsScroll is closed.





Chapter **4**

Scheduler

Schedule Data

Editing a Schedule

Deleting a Schedule

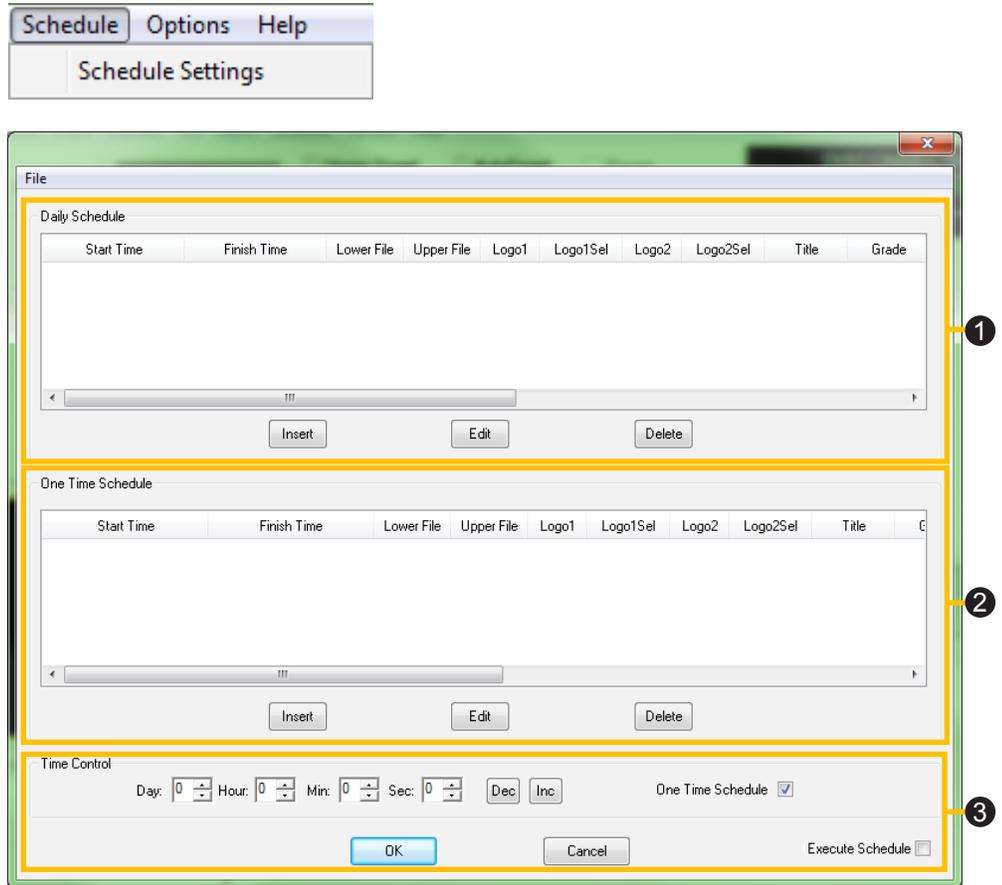
Disabling a Schedule

Schedule Data

Using the Scheduler, all functions in NewsScroll can be played at specific times and dates. There are currently two types of schedules: a continuous event that occurs every day at a specific time or a one-time only event for a particular date and time.

Schedule User Interface

To access the Scheduler window, go to [Schedule] > [Schedule Settings].



- 1 Daily Schedule:** This displays the schedules created for daily use. The user can insert, edit, and delete schedules from this window.
- 2 One Time Schedule:** This displays the schedules created for one-time only use. The user can insert, edit, and delete schedules from this window.
- 3 Time Control:** Adjust the time for all schedules within either the [Daily Schedule] or [One Time Schedule] area.



Tip

Once all schedules have been set, click the [ON] button in the main NewsScroll window. This allows the schedules to go on air automatically at their set times.

Daily Schedule

Schedule the currently set functions in NewsScroll to play out every day at a particular time. To create a new schedule, click the [Insert] button under [Daily Schedule] in [Schedule] > [Schedule Settings]. This opens the window shown to the right.

The screenshot shows the 'Schedule' dialog box with the following fields and controls:

- 1 Start Time:** A date and time selector showing '3/ 8/2012' and '1:00:25 PM'.
- 2 Finish Time:** A date and time selector showing '3/ 8/2012' and '1:00:25 PM'.
- 3 Upper Crawl:** A section with a 'File' button and a text input field for 'Description'.
- 4 Lower Crawl:** A section with a 'File' button and a text input field for 'Description'.
- 5 Schedule Target:** A section containing checkboxes for 'Upper Crawl', 'Lower Crawl', 'Logo1', 'Logo2', 'Clock', and 'Data Box'. It also includes 'Browse...' buttons for Logo1, Logo2, and Rating, and input fields for 'Box Template', 'Box Title', and 'Title'.
- 6 Days Of the Week:** A section with checkboxes for 'Monday', 'Tuesday', 'Wednesday', 'Thursday', 'Friday', 'Saturday', and 'Sunday', all of which are checked.

At the bottom of the dialog are 'OK' and 'Cancel' buttons.

- 1 Start Time:** Enter the exact starting time for this schedule.
- 2 Finish Time:** Enter the exact finish time for this schedule.
- 3 Upper Crawl:** Select the upper crawl text file by clicking on [File] and enter a short description for the information.
- 4 Lower Crawl:** Select the lower crawl text file by clicking on [File] and enter a short description for the information.
- 5 Schedule Target:** Select what functions will be played in this schedule.
- 6 Days of the Week:** Choose the days of the week that this schedule will be played.

Schedule Target

Select the desired functions to be brought to air. There are check boxes to choose the upper and lower crawls, logos 1 and 2, clock, and the data box. Browse for the logos and rating image and enter the text for the title.

This close-up shows the 'Schedule Target' section with the following elements:

- Checkboxes for 'Upper Crawl' and 'Lower Crawl'.
- Checkboxes for 'Logo1' and 'Logo2', each with a 'Browse...' button.
- Checkboxes for 'Clock' and 'Data Box'.
- Input fields for 'Box Template' and 'Box Title'.
- An input field for 'Title'.
- An input field for 'Rating' with a 'Browse...' button.

One Time Schedule

Schedule the currently set functions in NewsScroll to play out at a particular date and time. To create a new schedule, click the [Insert] button under [One Time Schedule] in [Schedule] > [Schedule Settings]. This opens the window shown to the right.

The screenshot shows the 'Schedule' dialog box with the following fields and callouts:

- 1** Start Time: 3/ 8/2012, 1:12:13 PM
- 2** Finish Time: 3/ 8/2012, 1:12:13 PM
- 3** Upper Crawl: File, Description
- 4** Lower Crawl: File, Description
- 5** Schedule Target: Upper Crawl, Lower Crawl, Logo1, Logo2, Clock, Data Box, Box Template, Box Title, Title, Rating

- 1 Start Time:** Enter the exact starting date and time for this schedule.
- 2 Finish Time:** Enter the exact finish date and time for this schedule.
- 3 Upper Crawl:** Select the upper crawl text file by clicking on [File] and enter a short description for the information.
- 4 Lower Crawl:** Select the lower crawl text file by clicking on [File] and enter a short description for the information.
- 5 Schedule Target:** Select what functions will be played in this schedule.

Schedule Target

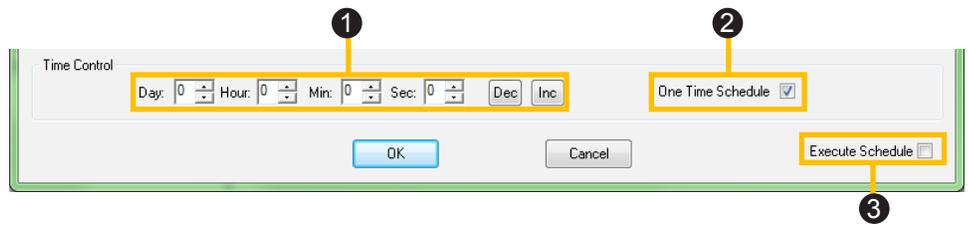
Select the desired functions to be brought to air. There are check boxes to choose the upper and lower crawls, logos 1 and 2, clock, and the data box. Browse for the logos and rating image and enter the text for the title.

The close-up shows the 'Schedule Target' dialog box with the following fields and callouts:

- Upper Crawl** and **Lower Crawl** (checkboxes)
- Logo1** and **Logo2** (checkboxes with Browse.. buttons)
- Clock** and **Data Box** (checkboxes)
- Box Template** and **Box Title** (text fields)
- Title** (text field)
- Rating** (text field with Browse.. button)

Time Control

This area allows the user to change the times of all schedules simultaneously.



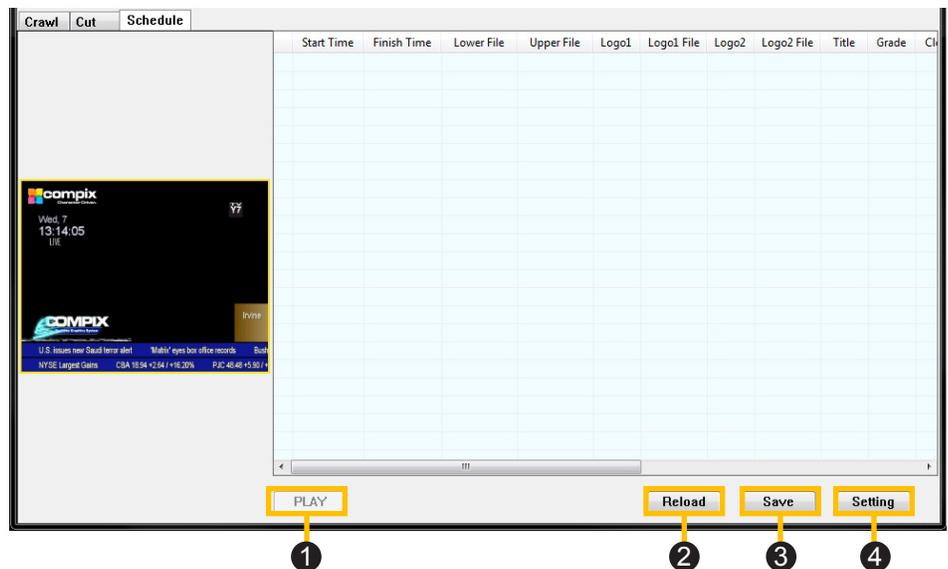
1 Time Decrement & Increment: Adjust the amount of time that the schedules need to be changed in days, hours, minutes, and seconds. Click either [Dec] or [Inc] to decrement or increment the time.

2 One Time Schedule: Check this box if the [One Time Schedule] section needs to be changed. If the [Daily Schedule] section needs adjusting, then leave this box unchecked.

3 Execute Schedule: Check this box to notify NewsScroll that it needs to watch for scheduled events. If left unchecked, NewsScroll will not execute any schedules.

Schedule View

Get to this view by clicking on the [Schedule] tab in the main window. The Schedule View allows the user to see all schedules and whether one is currently active or not.



1 Play: Manually play the highlighted schedule once the assigned time has passed.

2 Reload: Refresh the Schedule View page.

3 Save: Save the schedules as a Scheduler *.ss2 or *.ssc file.

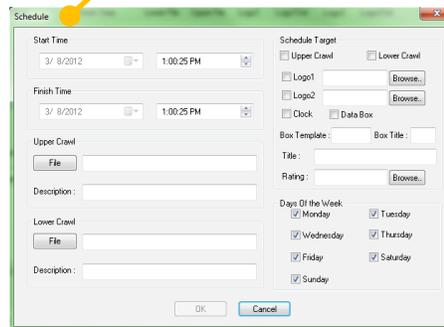
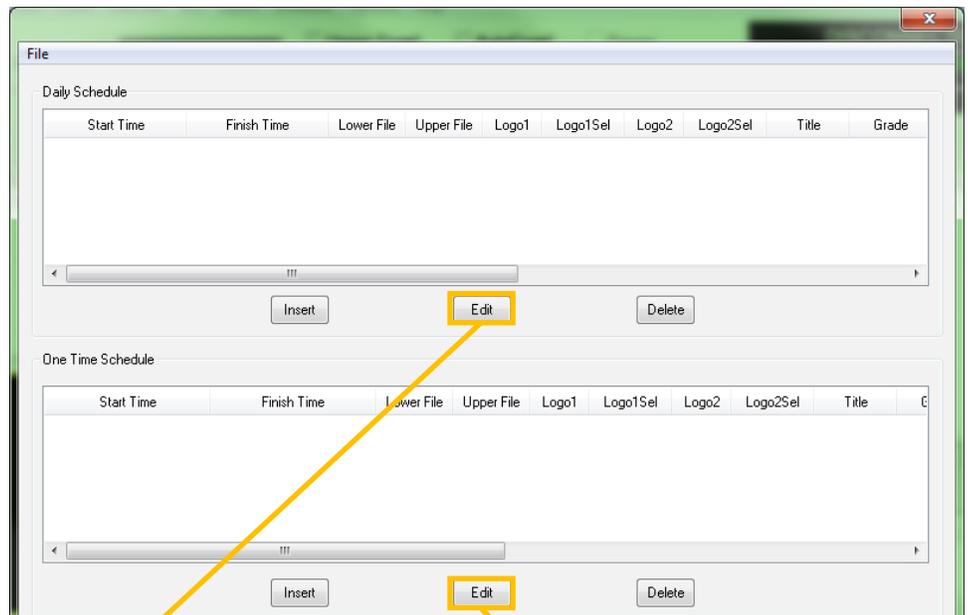
4 Setting: Opens the Schedule Settings window, allowing the user to add, edit, or delete schedules.

Editing a Schedule

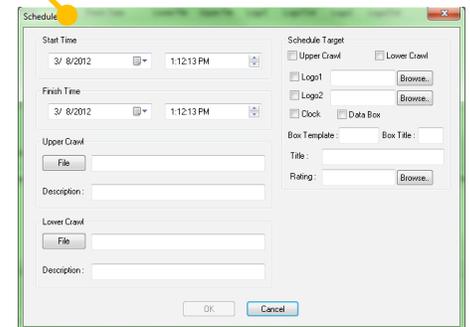
Editing a Schedule

To edit a schedule, open the [Schedule Settings] window by either going to the [Schedule] tab and clicking [Setting] or going to [Schedule] > [Schedule Settings] in the menu.

Select the desired schedule and click on the corresponding [Edit] button. Depending on which type of schedule is chosen, one of the windows below will open. Make the necessary changes and click [OK].



Daily Schedule Settings



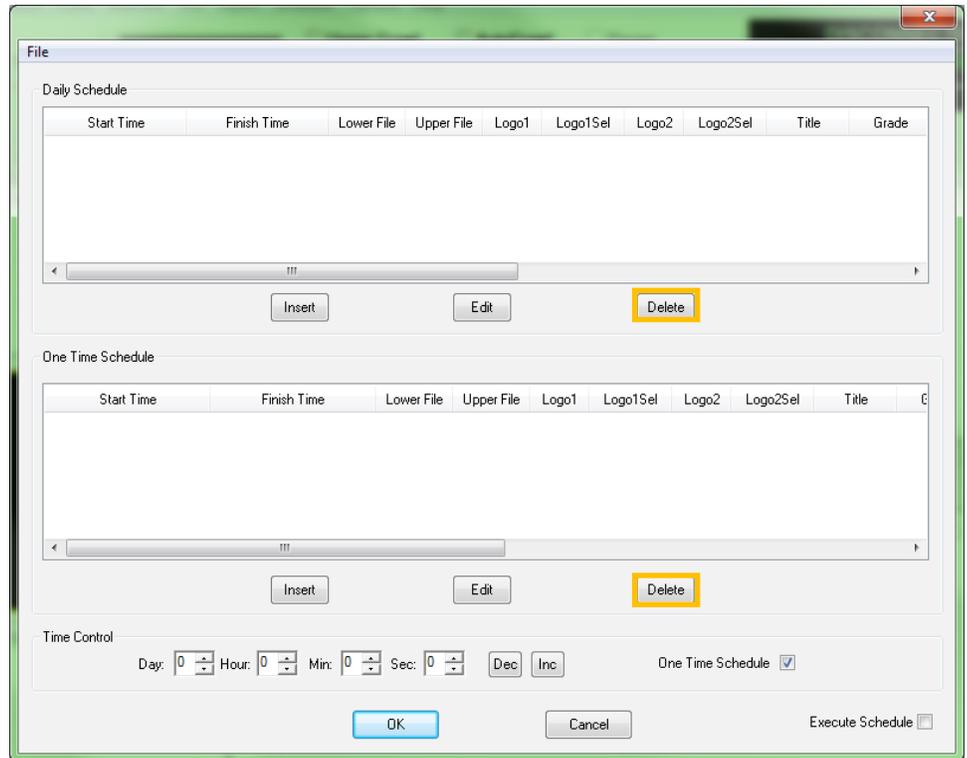
One Time Schedule Settings

Deleting a Schedule

Deleting a Schedule

To delete a schedule, open the [Schedule Settings] window by either going to the [Schedule] tab and clicking [Setting] or going to [Schedule] > [Schedule Settings] in the menu.

Select the desired schedule and click on the corresponding [Delete] button.

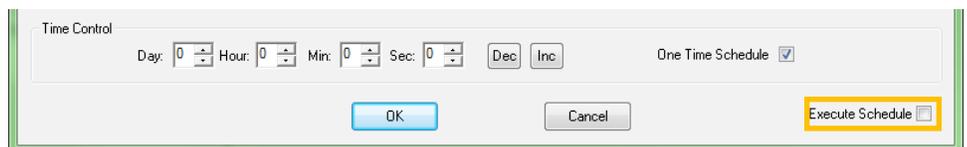


Disabling a Schedule

Disabling a Schedule

To disable a schedule, open the [Schedule Settings] window by either going to the [Schedule] tab and clicking [Setting] or going to [Schedule] > [Schedule Settings] in the menu.

Uncheck the [Execute Schedule] box to disable all schedules.







Appendix

Shortcut List

Shortcut List

▶ File

Open	Ctrl + O	Save	Ctrl + S
Save As	Ctrl + A	Exit	Ctrl + X

▶ Options

Create/Edit Template	Ctrl + T
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