



Simple Screen Display

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Installation

Prerequisites

- ◆ Windows Operating System XP or Windows 7 , 8, 10 (see to install below for Windows 8 considerations)
- ◆ Dot net framework 4.5 This will get updated if an earlier version is present.

To Install

- ◆ Extract the downloaded "SimpleScreens.msi" file.
- ◆ If updating from an earlier version then de-install the software first.
- ◆ Run the "SimpleScreens.msi" install program.
- ◆ Windows 8 does not come with the Microsoft Access components required to run this application. If the application does not load successfully this is what the problem could be. They can be downloaded "AccessDatabaseEngine.exe" from the Microsoft web site <http://www.microsoft.com/en-au/download/details.aspx?id=13255>

Introduction

This application allows for information to be displayed on many monitors. There are many USB monitors on the market today. In Australia the Data Capture Systems Australia has a few options. Any monitor can be used as the displays maximize the display area.

The type of information displayed is parameterised to allow for many different options.

The application can be used for many marketing requirements and can display up to 16 different frames on any of the available monitors

- ◆ Display one or many pictures
- ◆ Display one or many videos
- ◆ Display one or many messages (or stories)
- ◆ Display one of many web sites
- ◆ Display one or many HTML files

The above can be turned on or off by altering the information in the setup program.

Display one or many pictures

This is optional but if used the application will display pictures in a nominated folder and pause on each picture for a nominated time. Remember the screen size to ensure the pictures are within this size. If pictures and videos are both included then these will toggle between Pictures and Videos and Messages (if applicable)

Display one or many videos

This is optional but if used the application will display videos in a nominated folder. Remember the screen size to ensure the pictures are within this size. You can nominate a pause time between the videos. If pictures and videos are both included then these will toggle between Pictures and Videos and Messages (if applicable)

Display one or many web sites

This is optional but if used the application will display web sites in a nominated folder. Remember the screen size to ensure the pictures are within this size. You can nominate a pause time between the web sites.

Display one or many HTML files

This is optional but if used the application will display videos in a nominated folder. Remember the screen size to ensure the pictures are within this size. You can nominate a pause time between the HTML files.

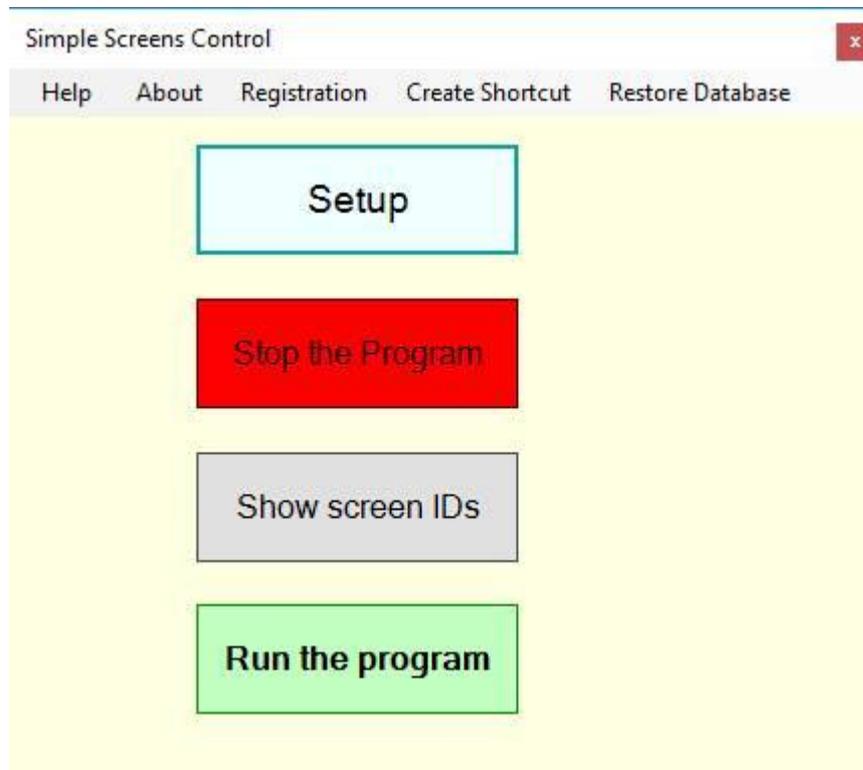
Display one or many Messages (or stories)

This is where the real power of the system is defined. You can tell your clients a story which can show in any sequence that you nominate a combination of text, html, picture, videos and web pages. This will be covered in more detail under the setup of the messages.

This is optional but if used the application will display a sequence of messages, pictures, videos, HTML and web addresses or text messages in the order nominated at setup time. To be able to display colours and many different options the text message files must be setup as an .rtf (Rich Text Format) file. The easiest way is to use Wordpad and output the file as an .rtf file.

Application setup

The initial screen for the application is



The four tabs at the top are

- Help Documentation
- About
- Software Registration
- Restore database.

The application buttons are

- Setup
- Stop the Program
- Show Screen Ids
- Run the program

Help Documentation

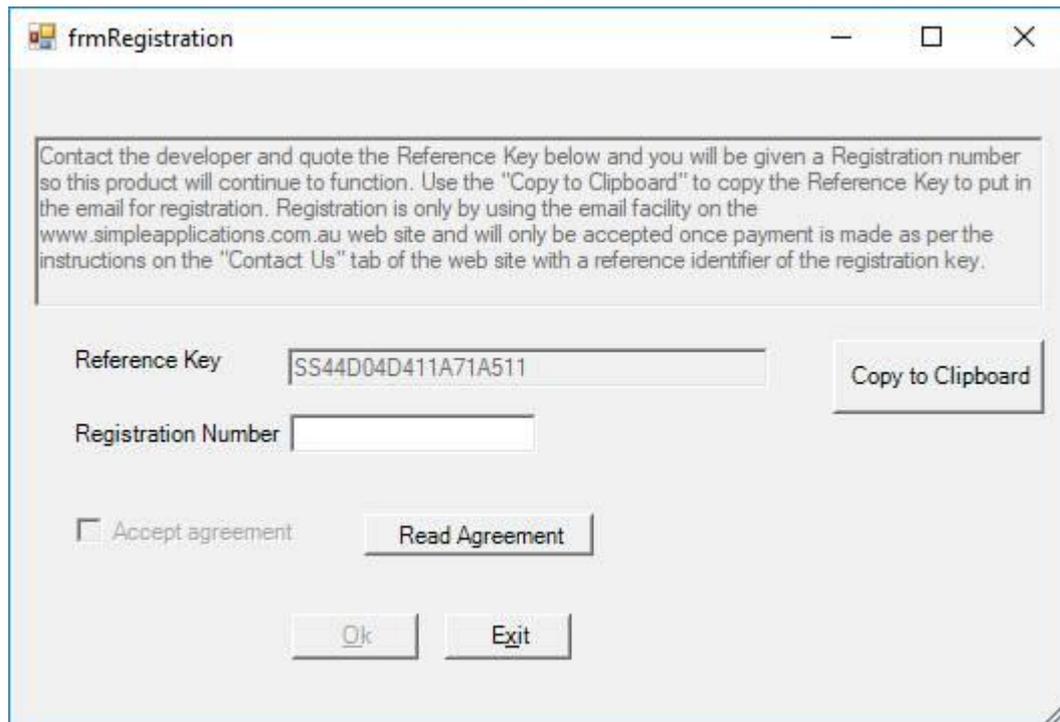
This will point to a .chm file which when opened will display this document

About

Will give a brief summary of the application and the web site name and contact details

Software registration

This will display the registration screen



This screen provides all the information required for registering the product.

The code starting with SS must be provided to the supplier or emailed by using the Contact Us email facility on the www.simpleapplications.com.au web site. Payment details will be emailed back to you. The reference number in the direct deposit must contain the code starting with SS on your screen. The email must also contain this code and the customer name, company name if applicable and email address.

The copy to clipboard button puts the relevant information from this screen into the clipboard so that it can be accurately put into an email for registration purposes.

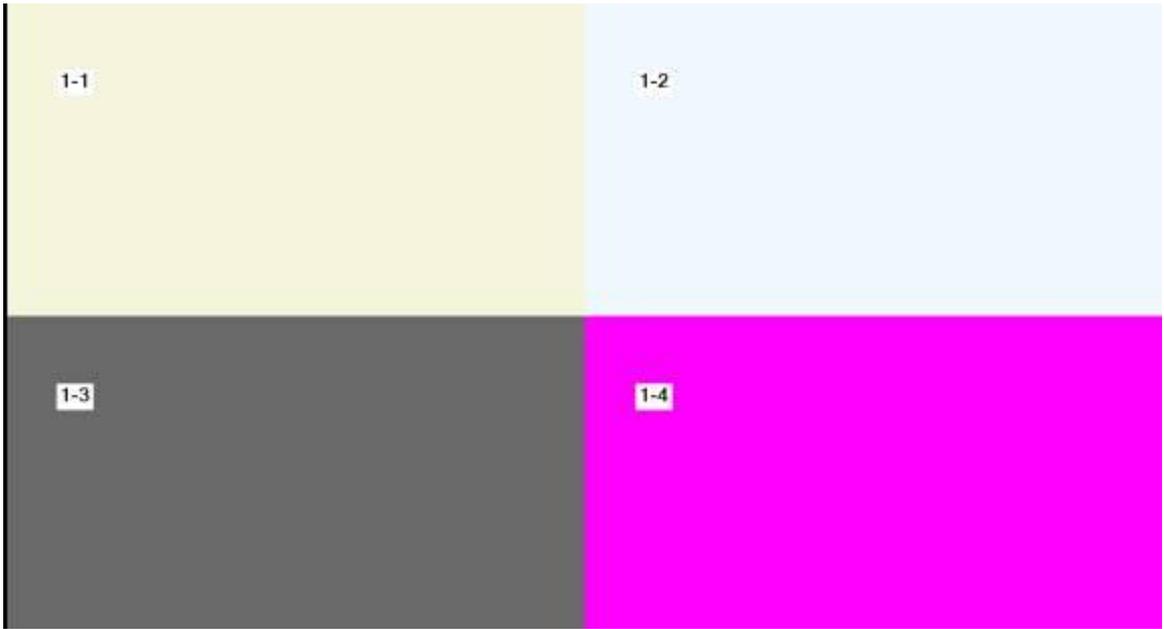
When you have obtained the registration code enter it in the appropriate field above and click OK. The product should now be registered for this computer only.

Restore Database

This allows restore to the original database that was distributed with the software or to an empty database so you can build from scratch

Show screen lds

In the configuration you can set up a screen to have multiple panels. This identifies the monitors and panels that have been set up. This will display each panel with an id. e.g. 1-2 would be monitor 1 panel number 2, 2-4 would be monitor 2 panel 4 for a few seconds so that you can see what you have configured.



Run the Program

Runs the program based on the information in the setup.

A sample screen may be like the sample below using only two monitors.



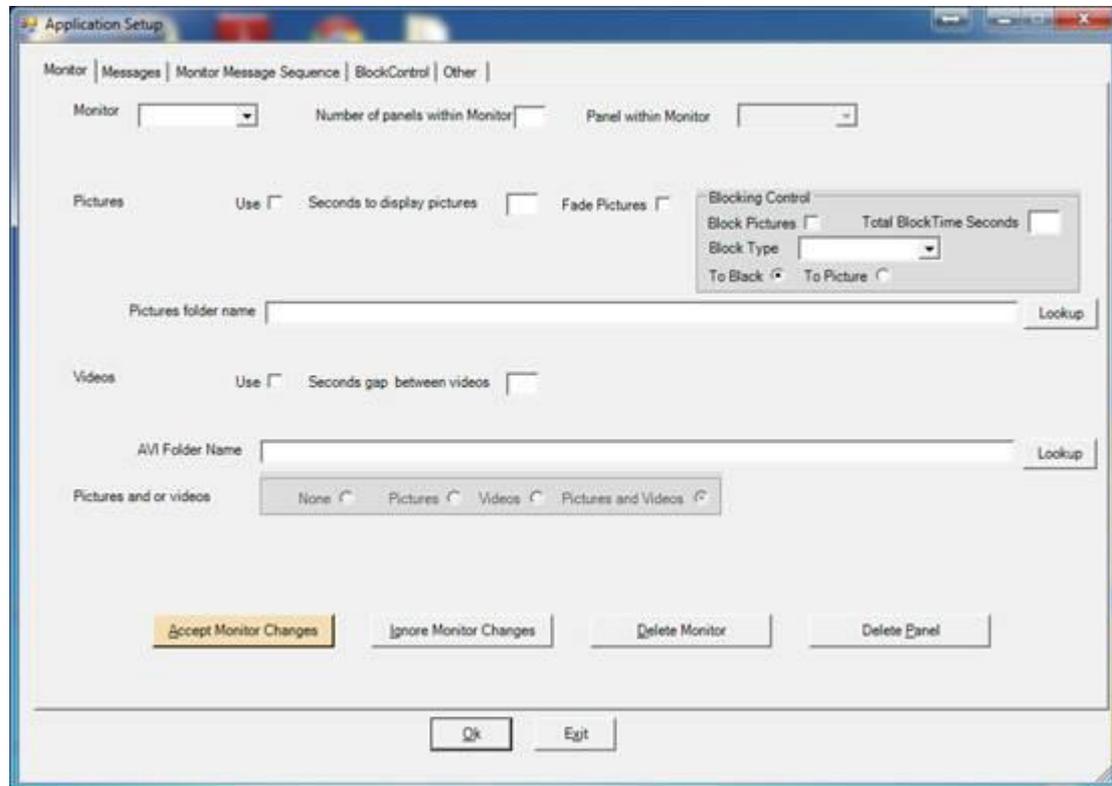
Stop the Program

Click on any of the panels and then press the Escape "Esc" key. This will take you back to the Menu and from there you can stop the program.

System Setup

Monitor setup information

Required if the screen is to be used for displaying the pictures, videos etc.



There are four tabs across the top of the screen for each of the different setup sections.

The first is Monitor information and is only always required.

Monitor Tab

Monitor– Nominate the monitor you want to define. This can contain one or many panels. Each panel can operate a separate set of instructions

Number of panels within monitor – This is the number of concurrent frames of information showing at once. This can be set to 1,2,3,4,6,8,9,12,16

Panel within Monitor – This is the panel that we are to define the activity to take place

Pictures Use – Tick if the display is to display all the pictures in the nominated folder. The pictures will be displayed in alphabetical sequence

Seconds to display pictures – The number of seconds that the pictures will be displayed before moving onto the next picture

Fade Pictures – Tick if the pictures are to be faded out prior to a new picture being displayed

Blocking Control – Tick if the pictures are to be Blocked In or Out. If blocked in then the picture will be displayed after each of 100 blocks defined in the “Block” tab have been turned off. If blocked out the picture will be displayed for the nominated period and then the picture will be blocked out based on the Block type chosen. Fading and blocking are mutually exclusive.

Pictures folder name – This is the folder that will contain the pictures to be displayed. Double click the entry field to use a lookup feature. The picture files that will be displayed are **.BMP, .ICO, .GIF, .WMF or .JPG file types**

Videos Use – Tick if the display is to display all the videos in the nominated folder. The videos will be displayed in alphabetical sequence.

Seconds to display videos – The number of seconds that the videos will be displayed before moving onto the next picture

Videos folder name – This is the folder that will contain the videos to be displayed. Double click the entry field to use a lookup feature. The video files that will be displayed are **.WMV, .AVI, .MPE, .PEG or .MPG file types**

Pictures and or videos – This is used to show what has been selected. It cannot be changed

Action buttons – Select the Button at the bottom of the page to either Accept the changes, Ignore the changes, Delete the monitor or Delete the panel.

Accept the changes – Accept the changes that have been made

Ignore the changes

Delete the Monitor which will delete the monitor and all panels and any messages that relate to this monitor. It will not delete any directories for the pictures or videos

Messages Tab

This is required if the screen is to be used for displaying messages. This is the real power of the system.

The screenshot shows the 'Application Setup' dialog box with the 'Messages' tab selected. The dialog is divided into several sections: 'Message Header information' with fields for MessageID, Description, and Message Active; 'Message Page information' with fields for Page ID, Description, Duration in Seconds, Font, FontSize, and Bold; and 'For Pictures only' with options for Fade Pictures, Blocking Control, Block Pictures, Total BlockTime Seconds, Block Type, To Black, and To Picture. At the bottom, there are buttons for 'Delete Message', 'Delete Page Information', 'Save Message', 'Ok', and 'Exit'.

The messages information is only required if messages are to be used

Messages are tied to a panel which is described in the “Monitor Message Sequence” tab explained in the next section of this writeup.

Messages are setup as a header and individual page information under the header.

Message Header information

Message– Lookup the message you wish to change or enter a Message ID for the message. No spaces are allowed in the Message ID

Description – Enter a description of this message. This will make maintenance easier at a later stage. This is compulsory.

Message Active – Tick to indicate that this message is active. If the message is not active then it will not be displayed.

When is this message to be displayed – Not currently used “Mixed with Video and Pictures” is currently the only acceptable selection.

Message Page information

PageID– Each message can have many pages. Each must have a unique ID with no embedded spaces. Use the lookup to modify a page or enter a new ID to add a new page

Description– Enter a brief description to explain the contents of the page

Duration in Seconds – Enter the number of seconds the page is to be displayed for before moving onto the next page. If the page has a list of files, pictures etc then each will be displayed for this number of seconds. This is not relevant for videos as they play until finished.

Font – Only used if entering the text to be displayed on this screen and not reading it from a file

Font Size – Only used if entering the text to be displayed on this screen and not reading it from a file

Bold – Only used if entering the text to be displayed on this screen and not reading it from a file

Text Area – If you want to enter text to be displayed. This is simple but restrictive. A better way would be to enter a Rich Text File created in Word or something else.

Hyperlink - Enter a web address if to be used

File to display – enter the name of a file. Its purpose will be defined in the next entry

Type of file – This defines the file or the contents of the file

None – If no file entered but a URL or typed in text message then select none

Memo – Select this if the nominated file is a .rtf (Rich Text File)

Web list – Select this if the file contains entries of URLs. Ie web pages to be displayed. The web pages will be displayed in the sequence they appear in this file.

Picture - Select this if the nominated file is a Picture file. Restrictions apply see earlier in this writeup.

Movie - Select this if the nominated file is a Video file. Restrictions apply see earlier in this writeup.

Picture List – A file that contains the names of picture files to be displayed in the sequence they will be displayed.

Movie List – A file that contains the names of video files to be displayed in the sequence they will be displayed.

HTML File - Select this if the nominated file is a HTML file.

HTML List _ A file that contains the names of HTML files to be displayed in the sequence they will be displayed.

Fade Pictures – Tick if the pictures are to be faded out prior to a new picture being displayed

Blocking Control – Tick if the pictures are to be Blocked In or Out. If blocked in then the picture will be displayed after each of 100 blocks defined in the “Block” tab have been turned off. If blocked out the picture will be displayed for the nominated period and then the picture will be blocked out based on the Block type chosen. Fading and blocking are mutually exclusive.

Action buttons – Select the action buttons at the bottom of the page

Delete Message – Delete the message and all its page information

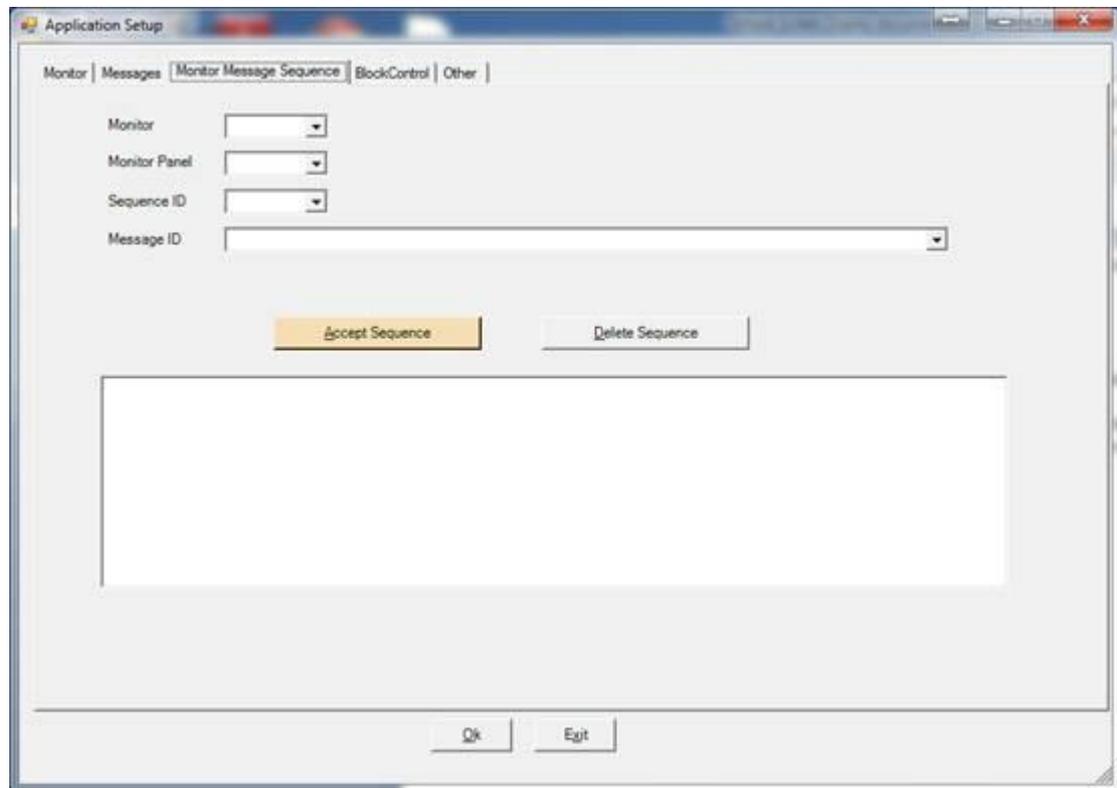
Delete Page information – Delete the nominated page information

Save message – Save the changes to the message or add a new message

Show what the message will look like

Monitor Message Sequence Tab

This is required if the screen is to be used for displaying messages. This is where the sequence of the messages is displayed. This tells the viewer to storey that you want them to see and the sequence you want them to see it in.



The messages information is only required if messages are to be used

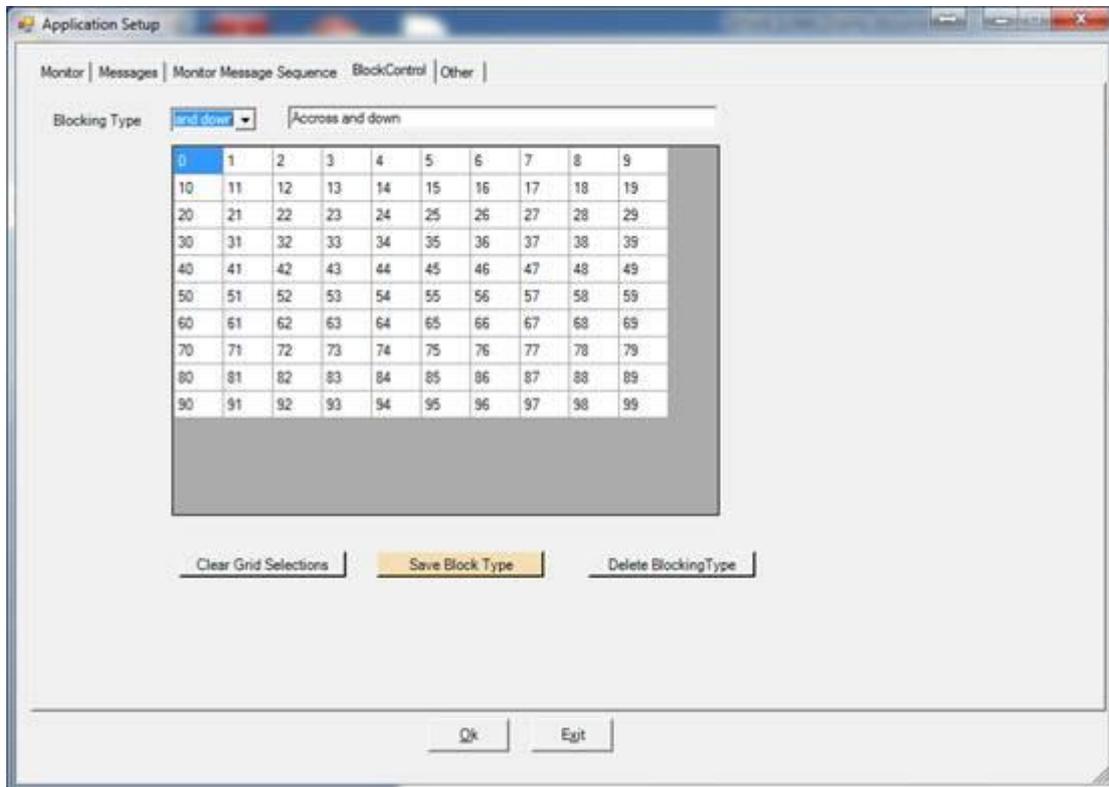
Select the Monitor and Monitor Panel and then select the sequence that you want to show the predefined Message (or Story). If the sequence does not exist then you will be prompted asking if you want to add the sequence.

Select the Message to display

Accept or delete the sequence as desired.

Block Control Tab

This is where you can setup predefined Block in/out sequences.



The Block Type is an alpha field and cannot have any embedded spaces in the key.

Block Type 1 is predefined and cannot be deleted or modified.

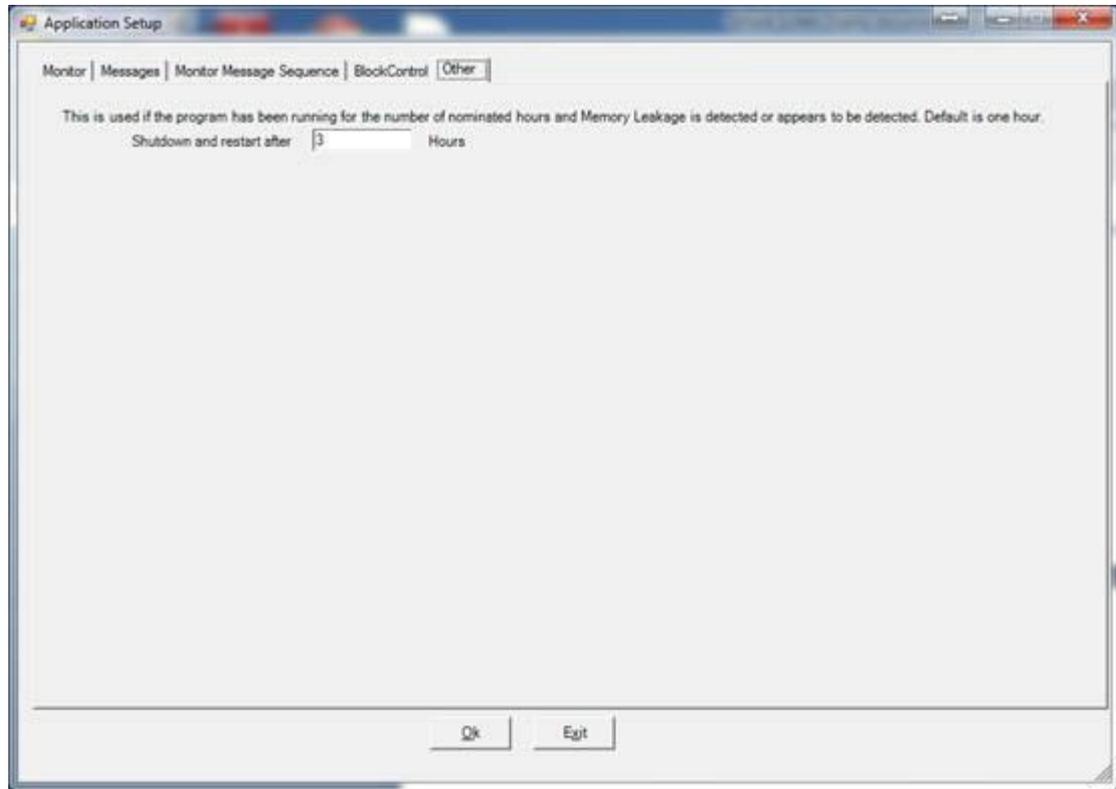
If a Block ID does not exist you can create one by entering an undefined key.

You create the pattern you desire by clicking on each cell in the table in the sequence you want the blocks to be displayed or not displayed.

You do not need to enter all cells if you do not want to.

Other Tab

This is where you can set some system wide control variables.



The Shutdown and restart after field is to allow the system to automatically restart if it detects what it deems to be memory leakage. It appears that some combinations of videos cause the memory usage to grow. This allows a clean start to the program