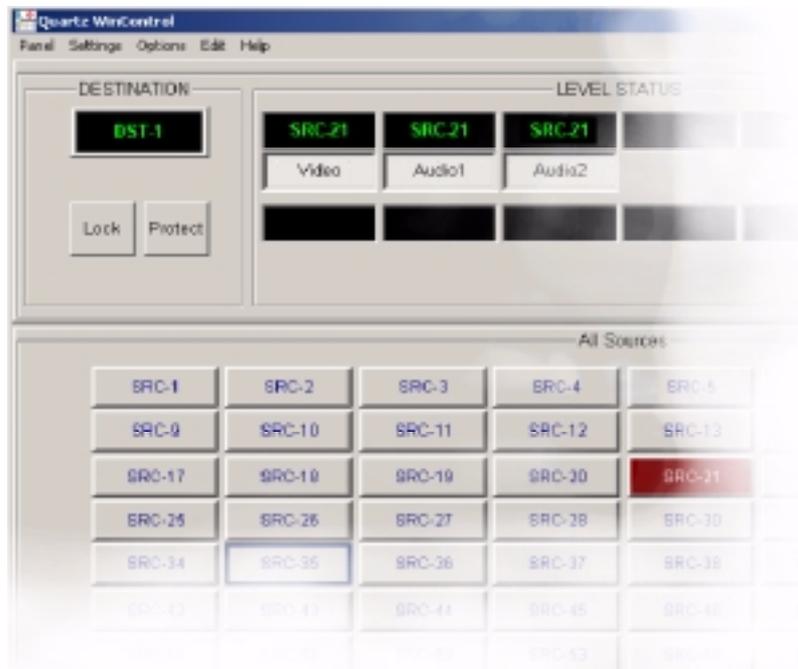


# WinControl

## An Operation and Configuration Guide



## Introduction

WinControl is a software based application designed for remotely controlling Quartz routers. The software application resides on a standard PC as a single stand-alone configuration. Multiple control panels can be set-up across multiple PC's using standard network topologies.

Typically WinControl is supplied pre-loaded with a configuration based on the customer's current installation. However, the WinControl application can be modified or customised at any time.

The flexibility and easy configuration of the traditional Quartz remote control panels has been carried across into WinControl. It offers a variety of panel styles and configurations, from simple to complex.

WinControl is a menu based interface which allows quick and easy navigation. Its 'Edit Mode' configuration package allows the user to map the panel layout to suit their specific applications and needs.

## Contents

<b>Introduction</b>	<b>2</b>
<b>Contents</b>	<b>3</b>
<b>OPERATIONAL GUIDE</b>	
Section 1. <b>WinControl – Overview</b>	<b>5</b>
Section 2. <b>Installation</b>	<b>6</b>
2.1. Initial Configuration	6
2.2. Generation of the WinServer.ini File	6
Section 3. <b>Pre-Configured Panels</b>	<b>7</b>
Section 4. <b>WinControl Panel Functionality</b>	<b>8</b>
4.1. Button Types	8
4.1.1. 'Unused'	8
4.1.2. 'Destination Key'	8
4.1.3. 'Source Key'	8
4.1.4. 'Source Preset Key'	8
4.1.5. 'Menu Key'	9
4.1.6. 'Take Key'	9
4.1.7. 'Salvo Key'	9
4.2. 'Destination Lock'	9
4.3. 'Destination Protect'	9
4.4. 'Levels'	9
Section 5. <b>Panel Templates</b>	<b>10</b>
5.0.1 Password Entry	10
5.1. XY Panel	11
5.1.1. Source Selection Pane	11
5.1.2. Destination Selection Pane	11
5.1.3. Destination Window	12
5.1.4. Level Status Window	12
5.1.5. Preset Source Window	13
5.1.6. Selection Box(s)	13
5.2. Single Destination Panel	14
5.2.1. Source Selection	14
5.2.2. Destination Window	14
5.2.3. Level Status Window	15
5.2.4. Preset Source Window	16
5.2.5. Selection Box(s)	16
5.3. Two Destination Panel	17
5.3.1. Source Selection	17
5.3.2. Destination Status Window	18

5.4.	Multi Destination Panel	19
5.4.1.	Source Selection	19
5.4.2.	Destination Status Window	19
5.4.3.	Level Selection	19
5.4.4.	Preset Source Window	20
5.5.	Button Per Source Panel (BPS)	21
5.5.1.	Source Selection	21
5.5.2.	Destination	21
Section 6.	<b>Menu Buttons</b>	<b>22</b>
6.1.	Single and Cascaded	22
6.3.1.	Using Single Layer Menus	22
6.3.2.	Using Cascaded Menus	23

## CONFIGURATION GUIDE

Section 7.	<b>'Drop Down' Menus</b>	<b>25</b>
7.1.	'Panel' Menu	25
7.2.	'Settings' Menu	25
7.3.	'Options' Menu	26
7.4.	'Edit' Menu	26
Section 8.	<b>Panel Operation Options window</b>	<b>27</b>
8.1.	Panel Layout	27
8.2.	Display Settings	28
8.2.1.	Source and Destination Selection Boxes	28
8.2.2.	Preview Window	28
8.3.	Default Settings	29
8.4.	Preview Bus Options	29
Section 9.	<b>Edit Menus</b>	<b>30</b>
9.1.	Creating A Base Menu	31
9.2.	Default Panel Menus	31
9.3.	Menu Buttons - Single And Cascaded	32
9.3.1.	Single Layer Menu	33
9.3.2.	Cascaded Menus	34
9.4.	Panel Configuration	35
9.4.1.	Set-up the Default Panel	35
9.4.2.	The 'Menu' Button	36
9.4.2.	The 'Active' Button	37
9.4.3.	'Short Cut' buttons	39

## OPERATIONAL GUIDE

### 1. WinControl - Overview

WinControl is designed and developed by Quartz for the remote control of Quartz Routers from a PC.

The WinControl application is a software based control panel which can be installed onto any PC running Windows 95 or above. Via its serial communications link the PC can remotely control a single or multiple routers.

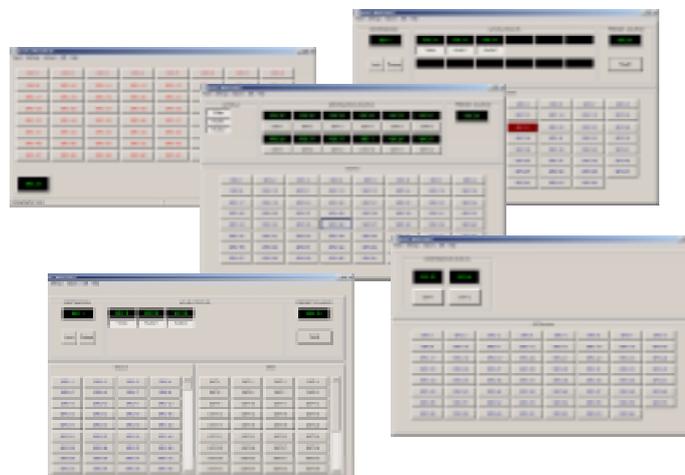
The WinControl application has a similar level of functionality to Quartz's traditional hardware based control panels. Multiple panels can be installed across multiple PC's and connected together over a standard computer network. The operational section of this guide provides a tour through the operational aspects of the WinControl panel.

WinControl is normally delivered pre-loaded with a configuration reflecting the customers current installation and control requirements. But as for most software applications, WinControl can also be modified and customised by the user to suite their changing needs. The configuration section of this guide provides a step by step tour to changing the current set-up of the control panel.

WinControl has five panel templates which can be customised as required. They are:

1. XY Panel
2. Single Destination Panel
3. Two Destination Panel
4. Multi Destination Panel
5. Button Per Source Panel

WinControl can be operated by a variety of input devices e.g. touch screen, mouse or graphics tablet etc. WinControl also supports, as an option, an integrated live video window providing instant verification of the source selection.



## Section 2

## 2. Installation

The WinControl application is delivered on 3½ inch floppy disk(s). To install load disk 1 in to the PC and click on the 'Install' file. Follow the on screen installation instructions to load the application.

### 2.1. Initial Configuration

The WinControl panel program, called WinPanel.exe, uses two initialisation files (.ini) to set the configuration of the program. The .ini file called 'WinServer.ini' holds the entries for the routing database (sources/destinations/levels etc) and the .ini file called 'WinPanel.ini' holds the data relating to the sources/destinations/menus that the user has access to, as well as the communications parameters.

### 2.2. Generation of the WinServer.ini file

**Step 1:** Open the WinSetup application (V1.28 or later) and load the ".qrs" file for the routing system that the WinControl application will connect too.

**Step 2:** From the file drop down menu select the entry 'Export Names To WinControl'. Select a location to write this file too (normally the directory that the WinControl program resides in). This will create a file named 'WinServer.ini' at this location.

**Step 3:** Quit out of WinSetup.

**Note:** The file generated by WinSetup ('WinServer.ini') is a replacement for a file that may already exist. If so you will be asked to over write it, click OK. This file ensures that the source/destination and level names for the WinControl program will be the same as those generated by WinSetup.

**Step 4:** Select the 'WinPanel.exe' file form the WinControl folder. The WinControl application will open automatically with the pre-configured setting. If a pre-configured setting is not present the WinControl application will open with a default setting.

## Section 3

### 3. Pre-Configured Panels

The pre-configured WinControl application automatically loads one of the five panel template. The buttons on the template are mapped according to the pre-configured configuration file.

The WinControl panel, in its simplest form, will be configured with a number of active buttons for destination and/or source selection. A more complex configuration will have a number of the active buttons grouped together under a collection of menu buttons. The mapping of the pre-configured panel will be unique, however, the functionality of the buttons, and menus etc will be consistent and follow the functionality described within this guide.

Please refer to Section 4 'WinControl Panel Functionality' for operational information.

## Section 4

## 4. WinControl Panel Functionality

The functionality of the WinControl panel depends upon the configuration of each individual WinControl panel.

Section 4 looks at the various types of buttons that can be used as part of the panel configuration and gives an overview of its functionality.

### 4.1. Button Types

Each of the buttons within the WinControl panel can be configured to have the following functionality:

#### 4.1.1. 'Unused'



The 'Unused' active button has no functionality and is displayed on the panel as a blank space. This button type is useful for creating gaps between different types of buttons on the panel, for example between active and menu buttons.

#### 4.1.2. 'Destination Key'



The 'Destination Key' is used for selecting the router destination to which the selected source will be switched too. The 'Destination Key' button displays a black text label which is normally the destination name or code. The destination name or code is defined in the WinSetup application.

#### 4.1.3. 'Source Key'



The 'Source Key' is used for selecting the router source. In 'Source Key' mode the selected source is switched to the selected destination the instant the 'Source Key' button is selected. In this mode the selected source is not shown in the Preset Source Window on the panel and the panel Take button is inoperative. The 'Source Key' button displays a red text label which is normally the source name or code. The source name or code is defined in the WinSetup application.

#### 4.1.4. 'Source Preset Key'



The 'Source Preset Key' is used for selecting the router source. In the 'Source Preset Key' mode the selected source is only switched to the selected destination once the 'Take' button has been selected. In this mode the Preset Source window confirms the selected source by displaying the selected source name or code. The 'Source Preset Key' button displays a blue text label which is normally the source name or code. The source name or code is defined in the WinSetup application.

#### 4.1.5. 'Menu Key'

A rectangular button with a grey background and a black border, containing the text "MENU 01" in red.

The 'Menu Key' is used to group together common sources, destinations etc. under a single panel button, for example, VTRs, or Video Servers, or graphic devices etc. Multiple menu buttons can be linked together to create a cascaded menu structure.

#### 4.1.6. 'Take Key'

A rectangular button with a grey background and a black border, containing the text "TAKE" in black.

The 'Take Key' is used to initiate the switch of the selected source through to the selected destination. The Take button is only used with buttons configured in the Source Preset mode.

#### 4.1.7. 'Salvo Key'

A rectangular button with a grey background and a black border, containing the text "SALVO" in black.

The 'Salvo Key' allows multiple functions to be switched together as one.

#### 4.2. 'Destination Lock'

A rectangular button with a grey background and a black border, containing the text "Lock" in black.

The 'Lock' button protects the currently selected destination from being switched to another source from the control panel. However, the Lock can be removed by a user from another control panel or automation system.

#### 4.3. 'Destination Protect'

A rectangular button with a grey background and a black border, containing the text "Protect" in black.

The 'Protect' button protects the currently selected destination from being switched to another source. It also prevents the selected destination from being changed by any other user.

#### 4.4. 'Levels'

A rectangular button with a grey background and a black border, containing the text "LEVEL" in black.

The 'Level Key(s)' allows each of the routing levels, video, audio, data etc., to be independently selected and turned on or off.

Further operational information relating to each of the panel templates can be found in section 5 of the Operational guide and in the Configuration Guide.

## Section 5

## 5. Panel Templates

WinControl has five panel templates, anyone of which can be selected, however, only one panel can be active at anyone time on the same PC. An alternative panel template can be selected and loaded from the 'Panel Operation Options' window at any time.

The 'Panel Operation Options' window is accessed through the 'Options' drop down menu. All of the facilities within the 'Option' menu are password protected preventing unauthorized entry.

### 5.0.1 Password Entry

Access is gained by entering the password from within the 'Edit' menu which will turn on the edit mode of the application.

**Step 1.** Click the 'Edit' tab

**Step 2.** Highlight 'Edit Mode' and click 'On'

A prompt will appear for the password. Enter the password and click 'OK'. The default password is "Symbolic". Once access has been gained the password can be changed from the 'Edit' menu.

Once in the edit mode the 'Options' drop down menu is enabled. To enter the 'Panel Operation Options' window follow these steps.

**Step 1.** Click the 'Options' tab

**Step 2.** Click 'Panel'

The following window will appear, figure 1.

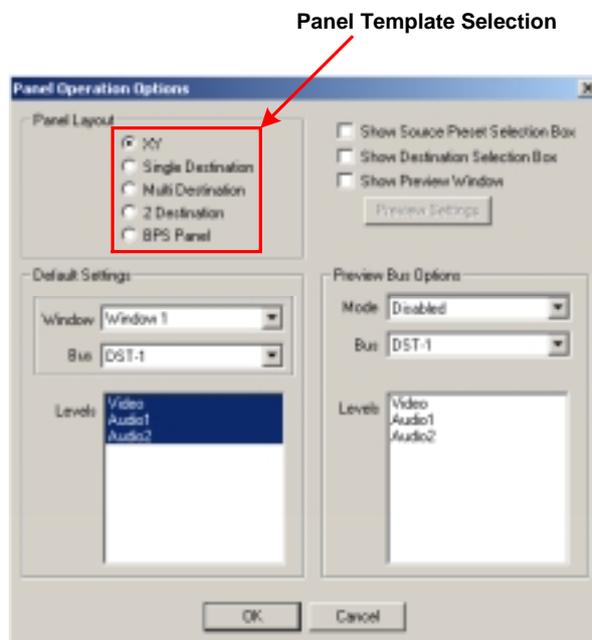


Figure 1

The 'Panel Layout' section of this window allows one of the five panel types to be selected. Click on the panel type to select a new template.

## 5.1. XY Panel

The XY panel, figure 2, provides the operator with access to the source and destination locations through two display 'panes'.

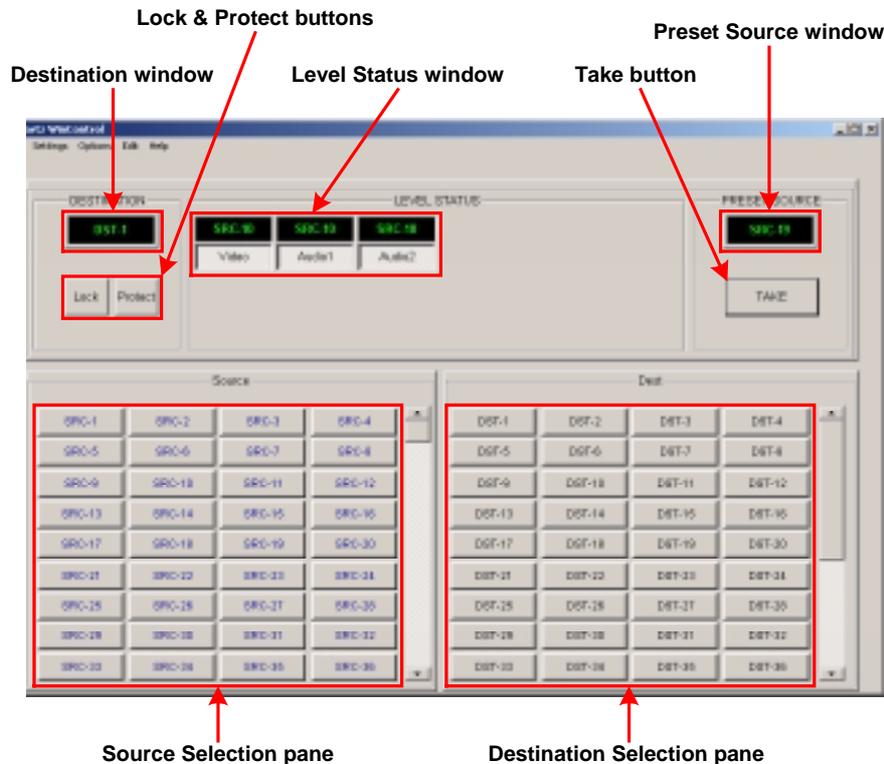


Figure 2

The XY panel is divided up into five main areas.

### 5.1.1. Source Selection Pane

The Source Selection Pane provides access to all of the router sources. A scroll bar gives access to the source buttons which are out side of the viewable area of the display. In the Source Preset Mode the next selected source is displayed in the Preset Source Window.

### 5.1.2. Destination Selection Pane

The Destination Selection Pane provides access to all of the router destinations. The scroll bar gives access to the destination buttons that are out side of the viewable area of the display. The selected destination is shown in the Destination Window. When a destination is selected the source that is currently linked to that destination is shown in each of the 'Level Status' windows. The Level Status windows also indicate any level breakaways, see section 5.1.4. for further information.

The 'Lock' button protects the destination from being switched to another source. However, the 'Lock' can be removed by user from another panel. The 'Protect' button locks the destination and prevents it from being unlocked by any other user.

### 5.1.3. Destination window

The Destination Window shows the last, or currently selected router destination. The Lock/Protect button prevents the source currently switched to that destination from being accidentally changed. See section 4.2. and 4.3. for further information on Locks

### 5.1.4. Level Status window

The Level Status Windows displays the source that is currently switched to the selected destination. Figure 3 shows that on all three levels 'source 1' is routed through to 'destination 1'.



Figure 3

The switches set below the Level Status Windows allow each of the levels to be independently selected on or off. Figure 4 shows that both of the audio levels have been deselected which means that only the video level has been switched to 'source 2'. The text in the window for the two audio levels has turned yellow to indicate a level breakaway.

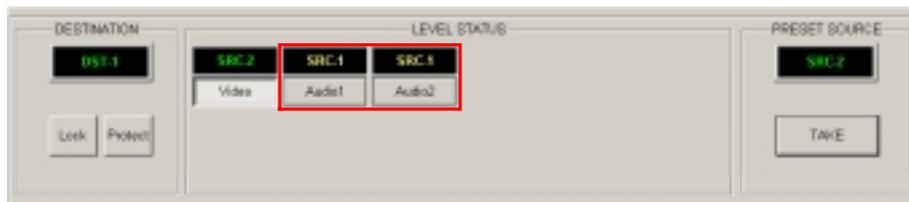


Figure 4

Figure 5 shows that the video level has been deselected allowing only the audio levels to be switched to 'source 2'. The text in the window for the two audio levels has turned yellow to indicate a level breakaway.



Figure 5

Figure 6 shows that the video level and each of the audio levels have been switched to an independent source. Once again the text in the window for the two audio levels has turned yellow to indicate a level breakaway.



Figure 6

### 5.1.5. Preset Source window

The Preset Source Window displays the currently selected source when the source button has been configured as a 'Preset Source Key' for example:



Blue text displayed on the source button indicates it has been configured in the 'Source Preset Key' mode. In this mode the Preset Source window shows the currently selected source and requires the 'Take' button to be selected in order for the route to be switched.



Red text displayed on the source button indicates it has been configured in the 'Source Key' mode. In this mode the route will be switched as soon as the source button is selected. In this mode the selected source is not shown in the Preset Source Window and the Take button will be inoperative.

### 5.1.6. Selection Box(s)

By selecting the relevant tick boxes, figure 9, on the Panel Operation Options window 'drop down' selection boxes will appear under the Destination and Preset Source window of the XY panel, see figure 10.

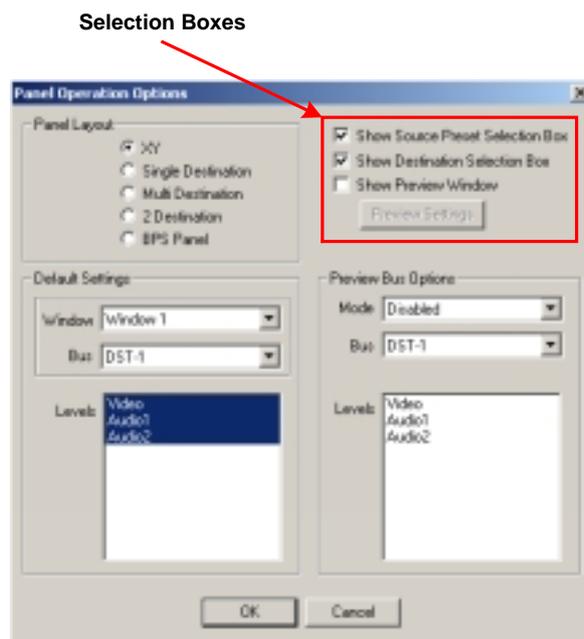


Figure 9

These drop down boxes provide an alternative to the Source and Destination selection panes for selecting the required source and/or destination.



Figure 10

## 5.2. Single Destination Panel

The Single Destination Panel, figure 11, provides the operator with access to the source locations through a single display pane. These sources can only be switch through to a single pre-configured destination.

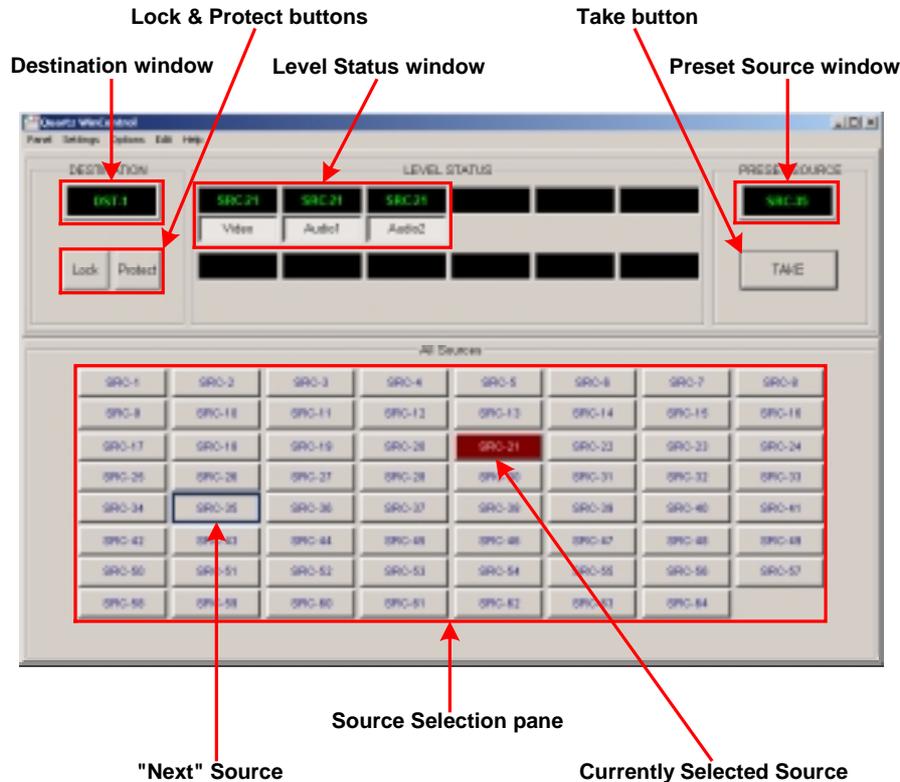


Figure 11

The Single Destination panel is divided up in to four main areas.

### 5.2.1. Source Selection

The Source Selection pane provides access to the router sources. The currently selected source button is highlighted red while the next selected source is indicated by a blue box around the button. With the source buttons configured in the Preset Source mode the next selected source is also displayed in the Preset Source Window.

### 5.2.2. Destination window

The Destination Window shows the pre-configured destination. The Lock/Protect button prevents the source currently switched to that destination from being accidentally changed. See section 4.2. and 4.3. for further information on Locks

### 5.2.3. Level Status window

The Level Status Windows displays the source that is currently switched to the pre-configured destination. Figure 12 shows that at all three levels 'source 1' is routed through to 'destination 1'.



Figure 12

The switches set below the Level Status Windows allow each of the levels to be independently selected on or off. Figure 13 shows that both of the audio levels have been deselected which means that only the video level has been switched to 'source 36'. The text in the window for the two audio levels has turned yellow to indicate a level breakaway.



Figure 13

Figure 14 shows that the video level has been deselected allowing only the audio levels to be switched to 'source 4'. The text in the window for the two audio levels has turned yellow to indicate a level breakaway.



Figure 14

Figure 15 shows that the video level and each of the audio levels have been switched to an independent source. Once again the text in the window for the two audio levels has turned yellow to indicate a level breakaway.



Figure 15

### 5.2.4. Preset Source window

The Preset Source Window displays the currently selected source when the source button has been configured as a 'Preset Source Key' for example:



Blue text displayed on the source button indicates it has been configured in the 'Source Preset Key' mode. In this mode the Preset Source window shows the currently selected source and requires the 'Take' button to be selected in order for the route to be switched.



Red text displayed on the source button indicates it has been configured in the 'Source Key' mode. In this mode the route will be switched as soon as the source button is selected. In this mode the selected source is not shown in the Preset Source Window and the Take button will be inoperative.

### 5.2.5. Selection Box(s)

By selecting the relevant tick boxes, figure 16, on the Panel Operation Options window 'drop down' selection boxes will appear under the Preset Source window of the Single destination panel, see figure 17.

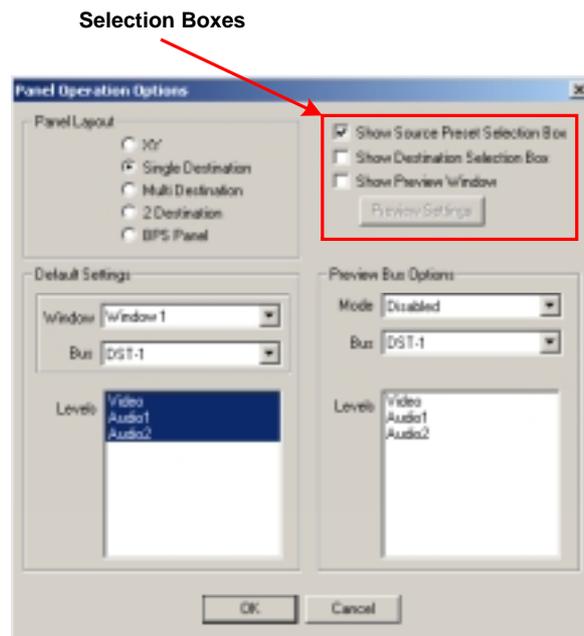


Figure 16

The drop down box provides an alternative to the Source selection pane for selecting the required sources.



Figure 17

## 5.3. Two Destination Panel

The Two Destination Panel, figure 18, provides the operator with access to the source locations through a single display pane. These sources can only be switched to one of two pre-configured destinations.

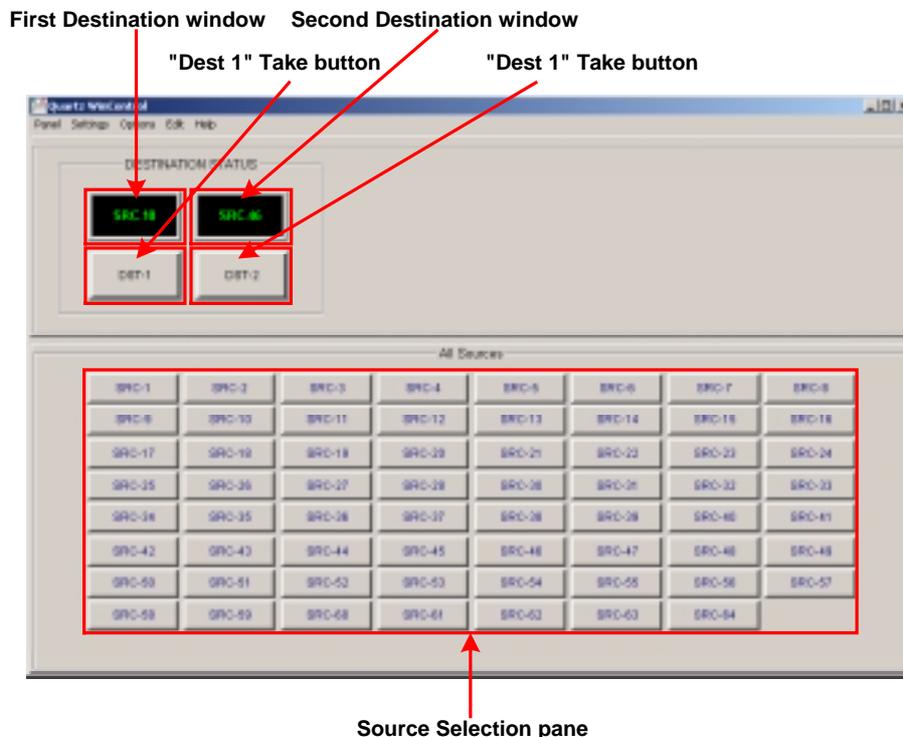


Figure 18

The Two Destination panel is divided up in to two main areas.

### 5.3.1. Source Selection

The Source Selection pane provides access to the router sources. The 'next' selected source is indicated by a blue box around the button.



Blue text used for the source buttons indicates that they have been configured in the 'Source Preset Key' mode. In this mode the source is first selected and then the destination button is selected. This then instantly switches the selected source through to the selected destination. There is no preset window or 'Take' button.



Red text in the source buttons indicates that the source buttons have been configured in the 'Source Key' mode. In this mode the route will be switched as soon as the source button is selected to the active destination. The active destination is the last one of the two to be selected. In this mode it is recommended that the required destination is confirmed by its re-selection before the source is selected.

### **5.3.2. Destination Status window**

The Two Destination Panel has a display window and button for each of the two pre-configured destinations. The windows display the source currently switched through to that destination. The display is updated when the new route is switched.

## 5.4. Multi Destination Panel

The Multi Destination Panel, figure 19, provides the operator with access to the source locations through a single display pane. These sources can only be switched to one of twelve pre-configured destinations.

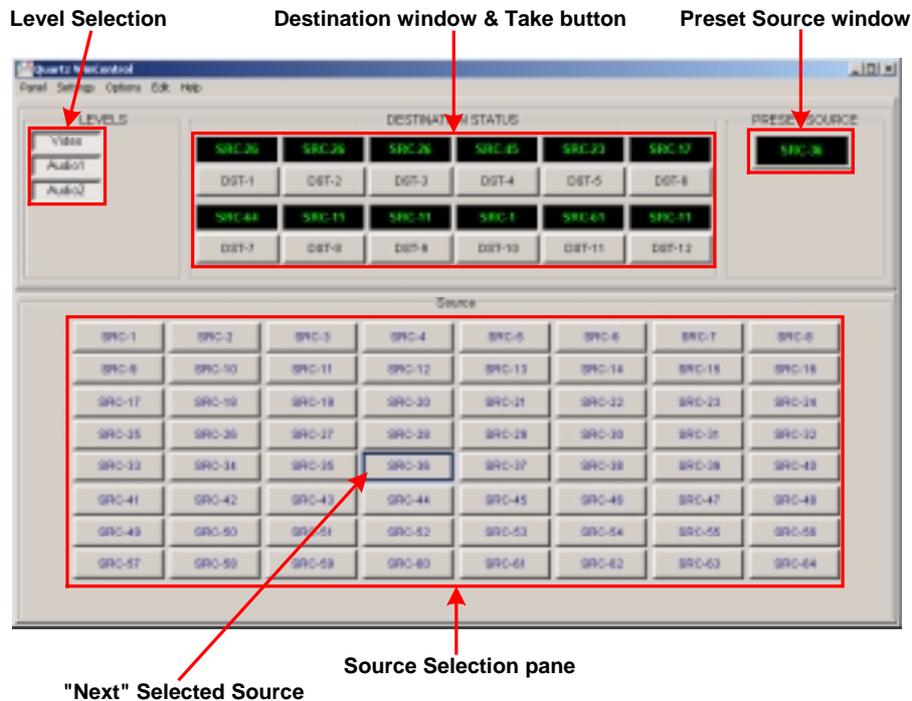


Figure 19

The Multi Destination panel is divided up in to four main areas.

### 5.4.1. Source Selection

The Source Selection panel provides access to the router sources. The next selected source is indicated by a blue box around the button as well as being displayed in the Preset Source Window as long as the source button has been configured in the Preset Source mode.

### 5.4.2. Destination Status window

Each of the twelve pre-defined Destination Status windows displays the source currently switched to that destination. The display only changes when the new route is switched.

### 5.4.3. Level Selection

The Level Selection buttons allow the video and audio levels to be independently selected before the new route is switched. Level breakaways are not displayed in this configuration.

### 5.4.4. Preset Source window

The Preset Source Window displays the currently selected source when the source button has been configured as a 'Preset Source Key' for example:

 SRC-1

Blue text used for the source buttons indicates that it has have been configured in the 'Source Preset Key' mode. In this mode the source is first selected and then the destination button is selected. The source is then instantly switched through to the selected destination. The selected source is displayed in the preset window.

 SRC-1

Red text in the source buttons indicates that it has been configured in the 'Source Key' mode. In this mode the route will be switched as soon as the source button is selected to the active destination. The active destination is the last one of the twelve to be selected. In this mode it is recommended that the required destination confirmed by its re-selection before the source is selected.

## 5.5. Button Per Source Panel (BPS)

The Button Per Source panel provides the operator with access to the source locations through a single display pane. The selected source is switched through to a single pre-configured destination. The BPS panel is the simplest style of control panel. The panel has no preset source or destination displays or the ability to select level breakaways.

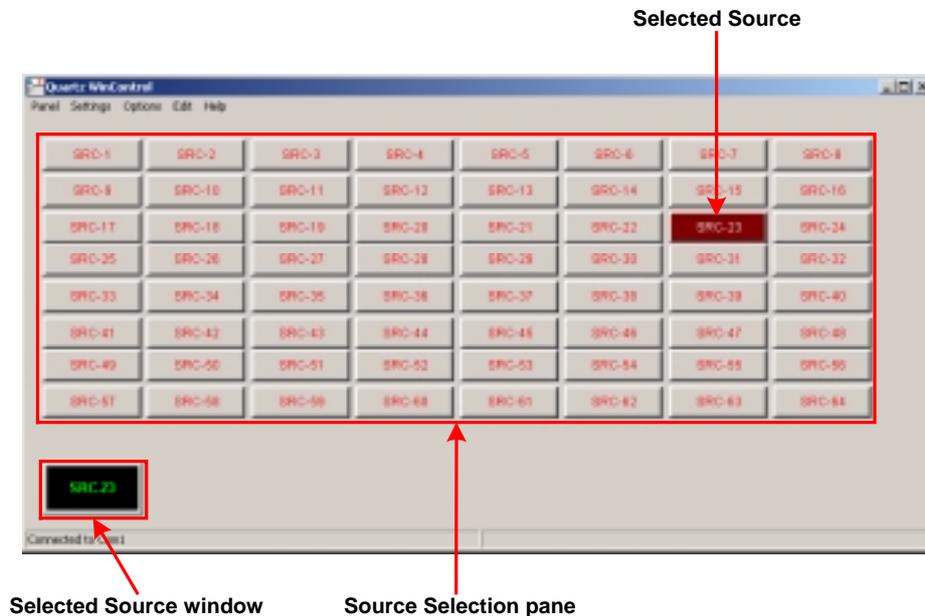


Figure 20

The BPS panel is divided up in to two main areas.

### 5.5.1. Source Selection

The Source Selection panel provides access to all of the router sources. The next selected source is instantly switch through to the destination. The selected source is displayed in the Selected Source Window and the source button is highlighted red.

### 5.5.2. Destination

The BPS panel switches the selected source through to a pre-configured destination. The BPS configuration does not display any destination or level information other than the red highlight on the selected source button.

## Section 6

## 6. Menu Buttons

### 6.1. Single and Cascaded

Menu buttons are used to group together common sources and/or destinations, for example instead of mixing together active buttons for VTR's, Video Servers, Graphic devices etc. within the same pane they can be split in to common groups with a collective heading. This speeds up the selection of a source or destination within a large and complex router installation.

Figure 21 shows a source pane from the XY panel. The pane titled 'primary sources', is a top layer menu. This layer then supports a number of mid layer menus and active buttons. The menu buttons are shown on the first row and are displayed with red text. The active buttons are on the lower four rows and are displayed with blue text to show which also indicates that they are configured as Preset Source buttons.

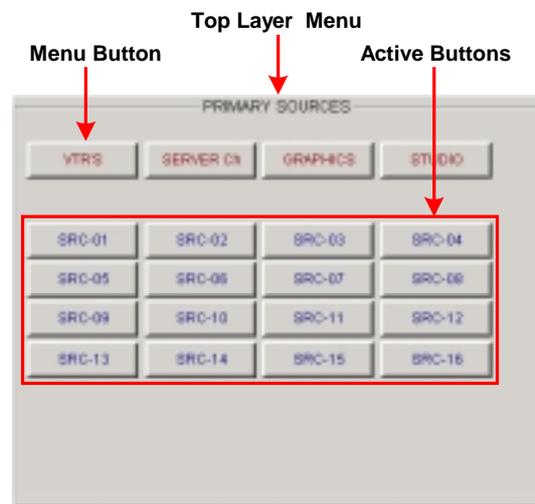


Figure 21

### 6.3.1. Using Single Layer Menus

Figure 22 shows the operation of a single layer menu structure.

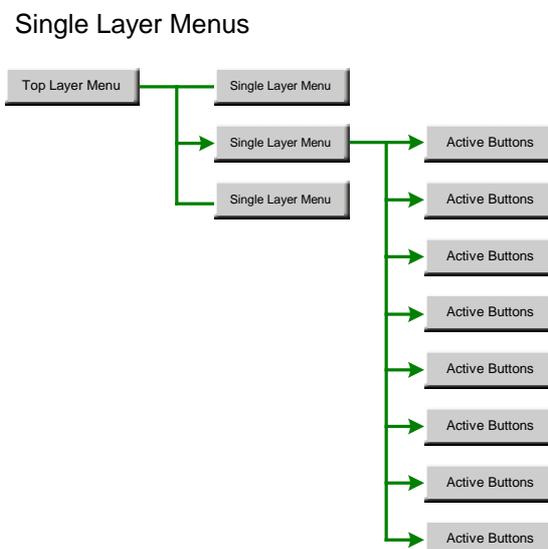


Figure 22

Selecting the single layer menu, in this example 'Studio', reveals the active buttons that are linked to the 'Studio' menu group.

At the bottom of the pane is an additional menu button that returns the display to the top layer menu display, Primary Sources.

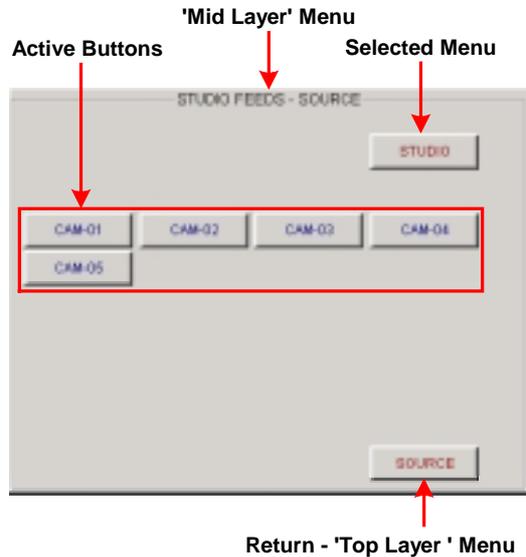


Figure 23

### 6.3.2. Using Cascaded Menus

Figure 24 shows the operation of a cascaded menu structure.

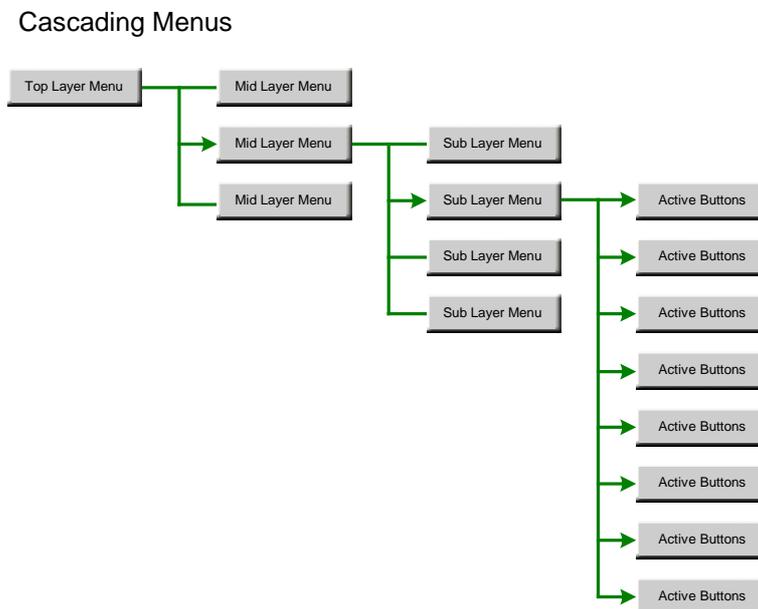


Figure 24

From the top layer menu selecting the mid layer menu reveals a new set of menu buttons, the 'sub layer' menus. The sub layer menus then open out to reveals the active buttons.

Figure 25 shows the cascaded menu as shown on the WinControl pane. The 'VTRs' menu has been selected revealing the layer of sub menus, Digital Beta, Beta SP etc. At the base of the pane is a menu button that returns the display to the top level menu.

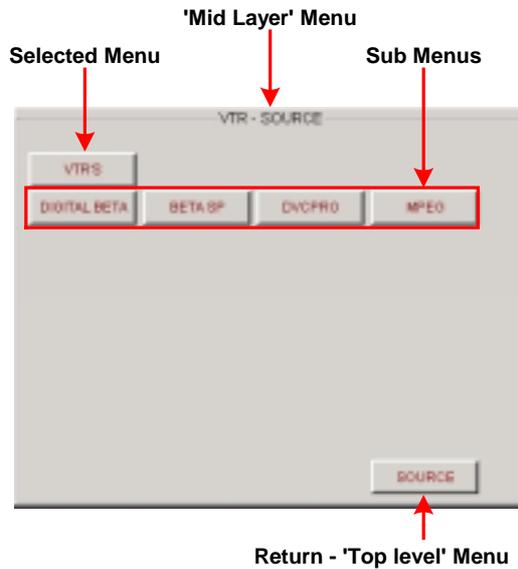


Figure 25

Selecting one of the sub layer menus, for example 'Digital Beta', reveals the active buttons that are associated with that menu, figure 26.

At the base of the pane are two additional menu buttons, 'Source' which returns the display to the top layer menu and 'VTR's' which returns the display to the mid layer menu.

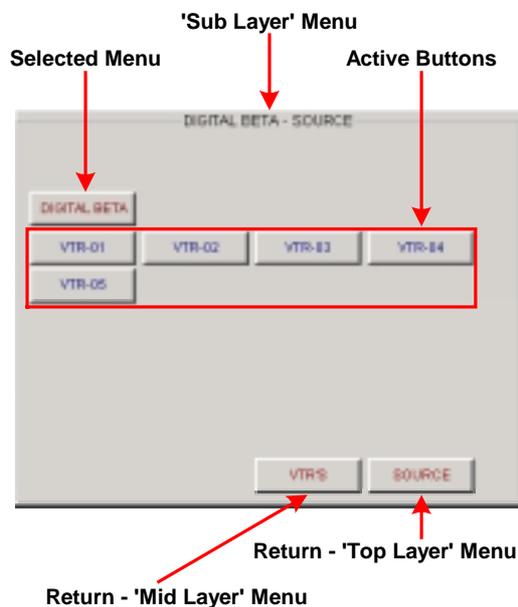


Figure 26

## CONFIGURATION GUIDE

Up to now the WinControl guide has looked at the operation of the WinControl application using standard or basic configurations

The configuration section of the guide looks at the WinControl application and reviews the optional features of the application and how the panel can be customised through the panels edit mode. It also introduces the concept of menus and the creation of single and cascaded menu structures.

### 7. 'Drop Down' Menus

The WinControl application has a number of 'drop down' menus which allow the current panel configuration to be optimised and customised. Some of the menus are password protected.

#### 7.1. 'Panel' Menu



Figure 27

- **Minimise:** The Minimise feature allows the panel to be stored out of the way when not in use but to still be accessible when required.
- **Panel Lock:** The Panel Lock button protects all of the destinations from being accidentally switched to another source.
- **Quit:** The Quit function closes the WinControl application.

#### 7.2. 'Settings' Menu

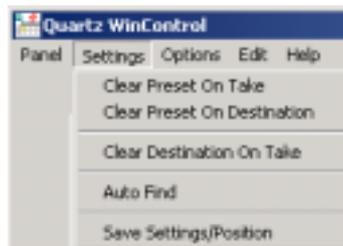


Figure 28

- **Clear Preset On Take:** This function clears the selected source from the Source Preset window when the 'Take' button is selected.
- **Clear Preset On Destination:** This function clears the selected source from the Source Preset window when a destination is selected.
- **Clear Destination On Take:** This function clears the destination window when the 'Take' button is selected.
- **Auto Find:** Not Currently Used.
- **Save Settings/Position:** This function saves the current panel settings.

### 7.3. 'Options' Menu

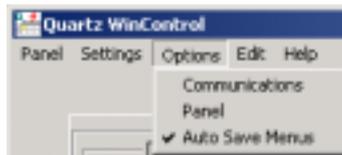


Figure 29

- **Communications:** This menu allows the communication parameters to be set, for example the PC serial port, the baud rate, the TCP/IP address etc.
- **Panel:** This menu provides access to the Panel Operation Options window. See 'Panel Operation Options' section for further details.
- **Auto Save Menus:** This menu allows edited changes to the panel configuration to be automatically saved.

### 7.4. 'Edit' Menu

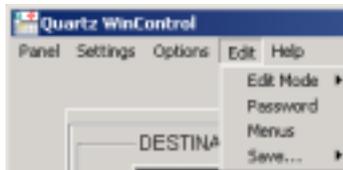


Figure 30

- **Edit Mode:** The edit mode menu allows the panel editor to be turn on of off. A password is required to enter the edit mode.
- **Password:** The default password can be changed from this menu.
- **Menus:** The 'Menus' window provides access to the control panel edit menus. See the 'Edit Menu' section for further details.
- **Save:** This menu allows edited changes to the source and/or destination panes to be saved.

## Section 8

## 8. Panel Operation Options window

The 'Panel Operation Options' window provides access to a number of menus used for configuring and/or customizing the WinControl panel. It is accessed through the 'Options' drop down menu.

The 'Panel Operation Options' window is password protected. Access is gained by entering the password from within the 'Edit' drop down menu. To enter a password:

- Step 1.** Click the 'Edit' tab
- Step 2.** Highlight 'Edit Mode' and click 'On'

Enter the password and click 'OK'. The default password is "Symbolic". The password can be changed from the 'Password' section of the 'Edit' drop down menu.

To enter the 'Panel Operation Options' window follow these steps.

- Step 1.** Click the 'Options' tab
- Step 2.** Click 'Panel' - the 'Panel Operation Options' window will appear.

### 8.1. Panel Layout

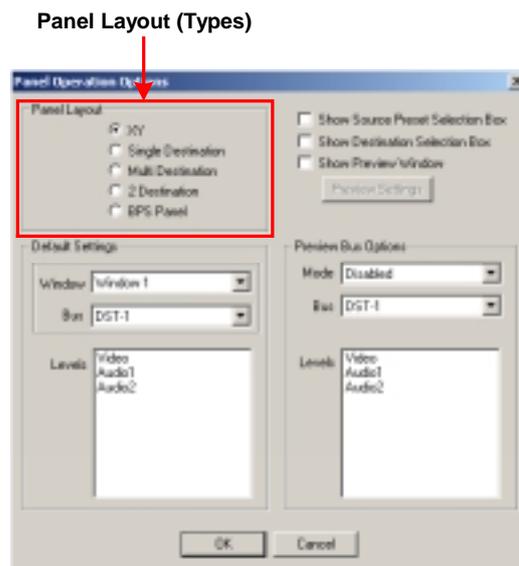


Figure 31

The 'Panel Layout' window provides access to the five different templates for the control panels supported by WinControl. These are:

1. XY
2. Single Destination
3. 2 Destination
4. Multi Destination
5. Button Per Source (BPS)

A new panel template is selected by clicking on the name of the required panel.

## 8.2. Display Settings

The Display Settings allow a number of additional control features and a built in preview video screen to be selected and added to the WinControl panel.

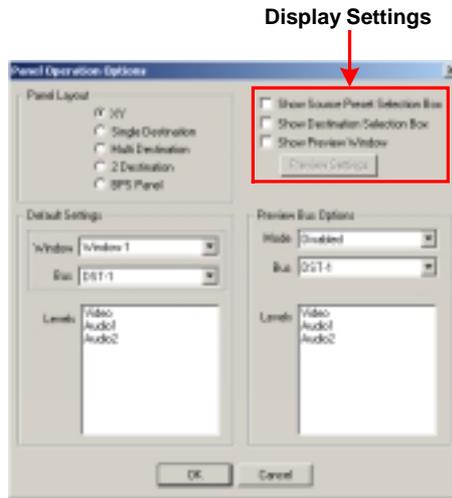


Figure 32

### 8.2.1. Source and Destination selection Boxes

When selected the Source and Destination selection boxes add additional drop down boxes to the control panel, figure 23. These drop down boxes provide an alternative to the Source or Destination selection pane and allow access to sources and destinations that are not part of the panel configuration.



Figure 33

### 8.2.2. Preview Window

The 'Show Preview Window' enables the video preview output of the router to be displayed on the WinControl panel via a video card installed within the PC. This removes the need for a separate video monitor.



Figure 34

### 8.3. Default Settings

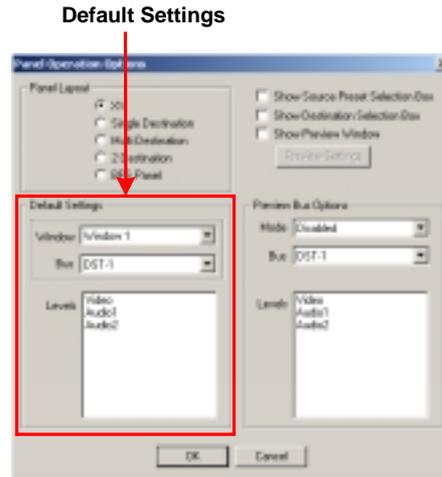


Figure 35

The panel templates which include destination displays are pre-loaded with a configuration that determines which destination is selected and which levels are active when the application is loaded. These settings are configured through the 'Panel Operation Options' menu. This is done by selecting the corresponding window from the 'Window' drop down list and selecting a new destination from the 'Bus' drop down list. Each of the levels can be enabled or disabled by highlighting the required levels in the 'Levels' window.

### 8.4. Preview Bus Options

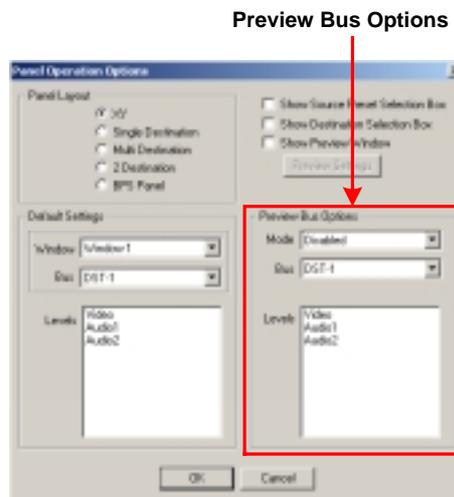


Figure 36

A router destination can be set as a preview output which is fed through to a preview monitor. The 'Preview Bus Options' menu allows the parameters of this output to be set. For further information see section 8.2.2.

The 'Mode' defines the functionality of the preview output.

1. **Follow Preset Source:** In this mode the video and audio source shown on the preview bus will change with the selection of the Preset Source.
2. **Follow Current Destination:** In this mode the video and audio source shown on the preview bus will change with the selection of the destination.

The levels of the preview output, such as the video and audio, can also be selected from the list.

## Section 9

## 9. Edit Menus

The 'Edit Menus' window provides access to the configuration menus used for setting up and/or customizing the WinControl panel.

The 'Edit Menus' window is password protected. Access is gained by entering the password from within the 'Edit' drop down menu. To enter the password:

- Step 1.** Click the 'Edit' tab
- Step 2.** Highlight 'Edit Mode' and click 'On'
- Step 3.** Enter the password and click 'OK'.

The default password is "Symbolic" The password can be changed from the 'Password' section of the 'Edit' drop down menu. To enter the 'Edit Menus' window follow these steps.

- Step 1.** Click the 'Options' tab
- Step 2.** Click 'Panel'

The 'Edit Menus' window will appear, figure 37.

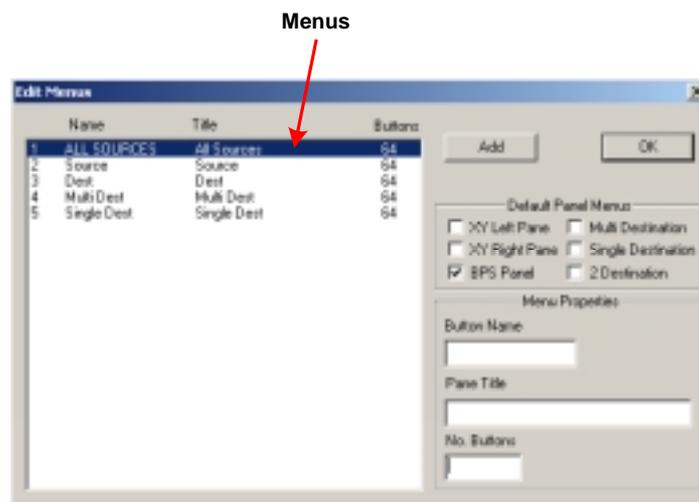


Figure 37

The WinControl panel is built on menus. Even the most simple panel configuration requires a menu.

The menu defines the title of the Pane, the name of the button that links to the menu (if required) and the number of active buttons within the menu. From this the rest of the WinControl panel is configured.

## 9.1. Creating a base menu

A 'Menu' is created within the 'Edit Menus' window by clicking the 'Add' button. The menu is added to the library list and is shown with a default name, title and a value of zero for the number of active buttons, figure 38.

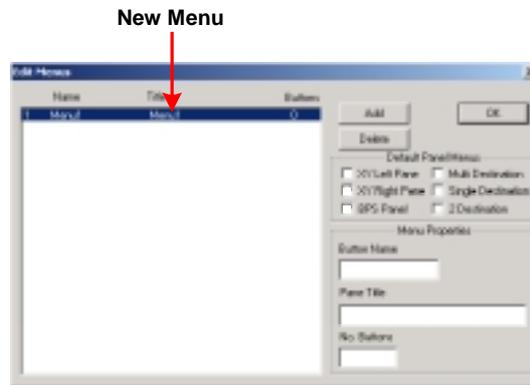


Figure 38

The properties of the menu, such as name, title and number of buttons, are entered via the text boxes in 'Menu Properties'. In this example, which is for an XY panel configuration, two menus have been created, one for the source pane and the second for the destination pane, both have been configured with 36 active buttons, figure 39.

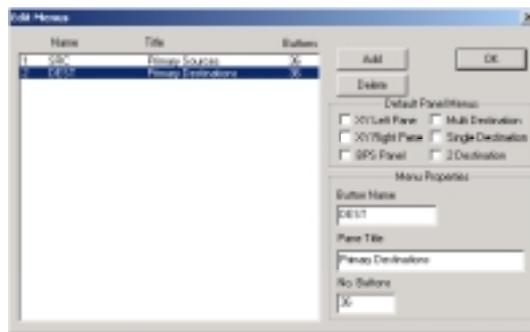


Figure 39

## 9.2. Default Panel Menu

Checking the 'XY Left Pane' and 'XY Right Pane' tick boxes sets the primary source and primary destination menus as defaults, figure 40. These two menus will be used to configure the XY panel as the WinControl application loads.

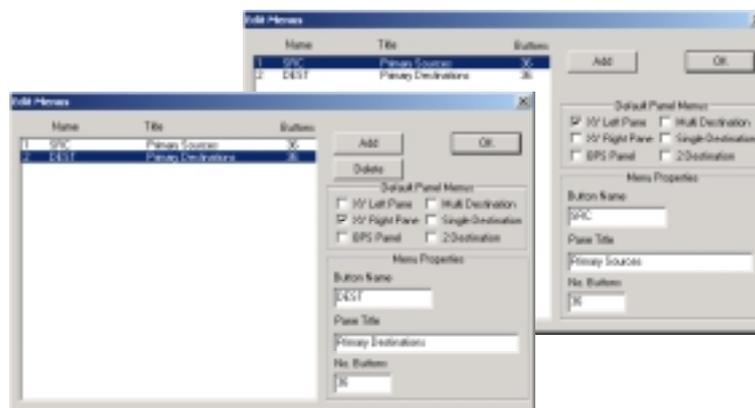


Figure 40

Once the base menus have been created the active buttons of the control panel can then be defined. The WinControl application uses the source and destination information from the WinSetup application to configure the active buttons for both the source and destination panes. Figure 41 shows a basic XY panel configuration with the two panes showing the active source and destination buttons.

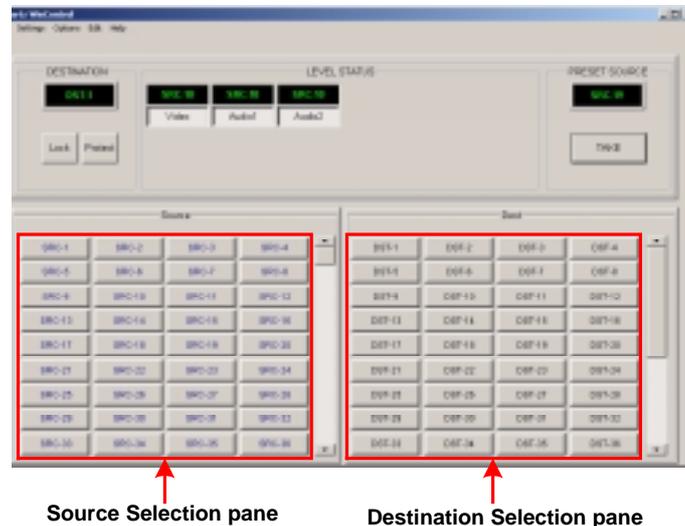


Figure 41

### 9.3. Menu Buttons - Single and Cascaded

The menus for the WinControl application can also be used to group together common sources and/or destinations on the pane. For example instead of mixing together active buttons for VTR's, Video Servers, Graphics systems etc. within the same pane they can be split in to common groups, and stored under a single collective heading. This speeds up the selection of source or destination locations within a large and complex router installation.

This section looks at the implementation of these menu buttons and their operation.

Figure 42 shows a source pane from the XY panel. The menu, 'primary sources', is the top layer menu. This layer then supports the mid layer menus and active buttons. The menu buttons are shown on the first row and are displayed with red text. The active buttons are on the lower four rows and are displayed with blue text to show that they are configured as Preset Source buttons.

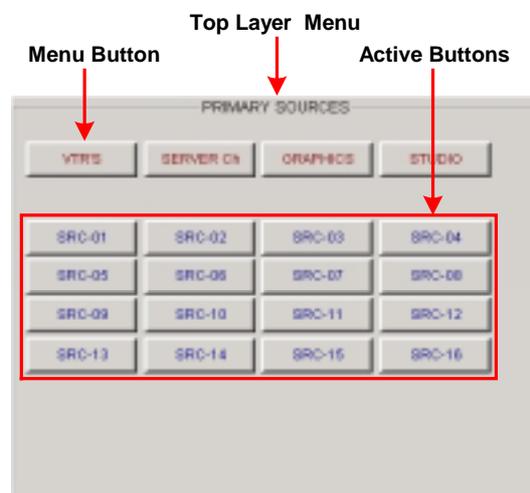


Figure 42

### 9.3.1. Single Layer Menu

Figure 43 shows the operational work flow of a single layer menu structure working from the top layer menu through to the active buttons.

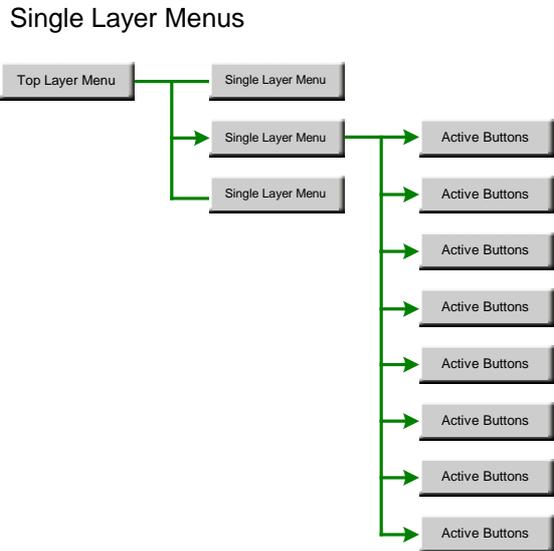


Figure 43

Selecting the single layer menu, in this example 'Studio', reveals the active buttons that are linked to that selected menu group.

At the bottom of the pane is an additional menu button that returns the display to the top layer menu.

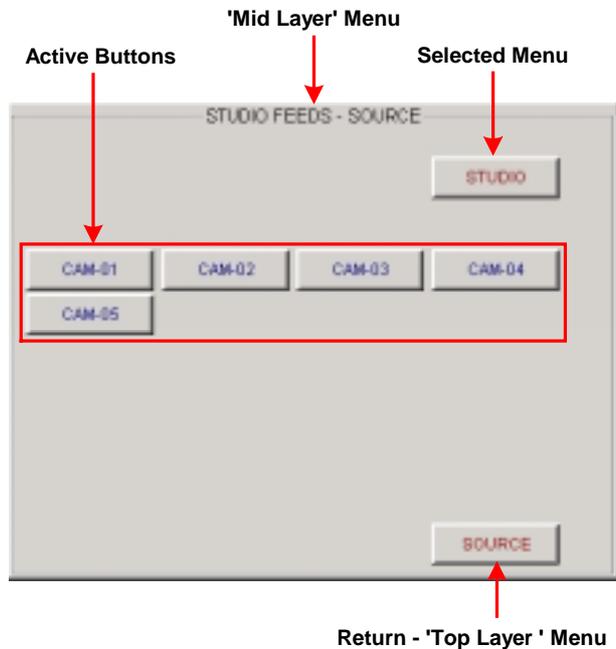


Figure 44

### 9.3.2. Cascaded Menus

Figure 45 shows the operational work flow through a cascaded menu structure from the top layer menu through additional menus to the active buttons.

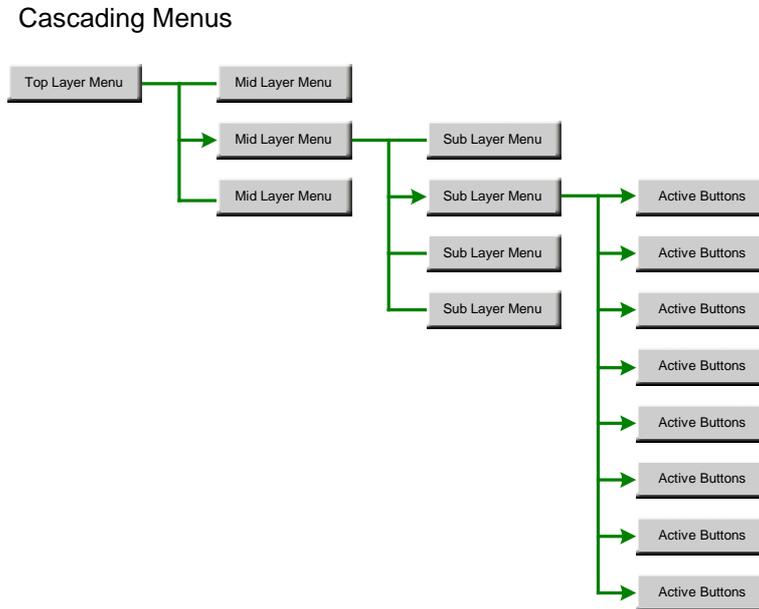


Figure 45

Selecting the cascaded layer menu reveals a new set of menu buttons. The sub layer menus then open out to reveal the active buttons.

Figure 46 shows the cascaded menu as shown on the WinControl pane. The 'VTR's' menu has been selected revealing the layer of sub menus, Digital Beta, Beta SP etc. At the base of the pane is a menu button that returns the display to the top level menu.

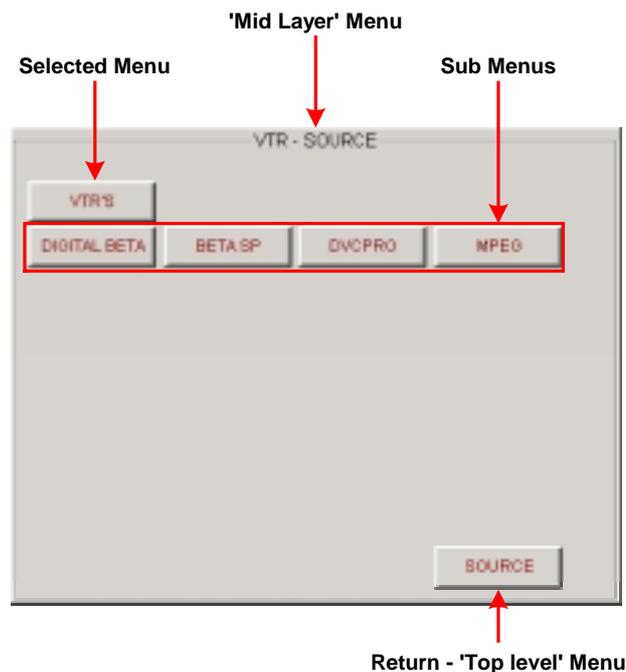


Figure 46

Selecting one of the sub layer menus, for example 'Digital Beta', reveals the active buttons that are associated with that menu, figure 47.

At the base of the pane are two additional menu buttons, 'Source' which returns the display to the top layer menu and 'VTRs' which returns the display to the mid layer menu.

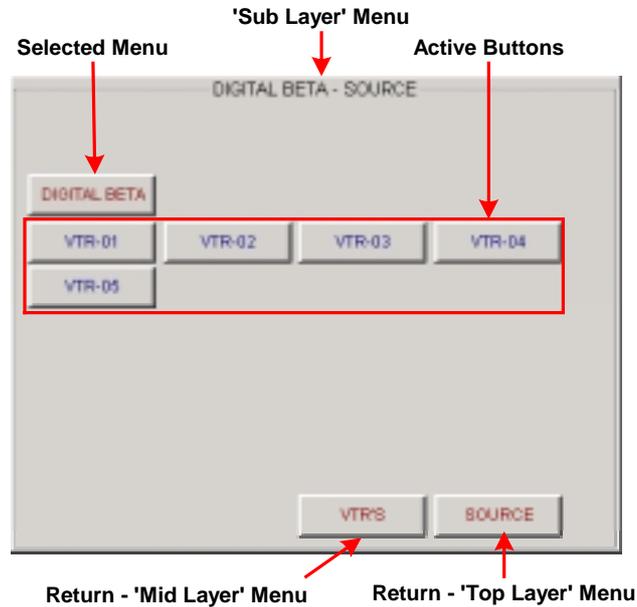


Figure 47

## 9.4. Panel Configuration

The menu created in the 'Edit Menus' window can now be used as the base for creating the menu and active buttons of the WinControl panel. This section uses the XY panel as an example although the task of configuring the various button types is the same for all five WinControl panels.

### 9.4.1. Set-up the default panel

**Step 1:** Select the control panel template, in this example the XY panel. The WinControl application will load the XY panel with a mapping based on the current set-up information stored in the two WinControl .ini files.

**Step 2:** Enter the panel 'Edit Mode'. Click on 'Edit', select 'Edit Mode' and 'On' and enter the password. Once in the edit mode all 'unused' buttons will appear (with no text) along with the button selector drop down menus, which are located at the base of the panel, figure 48.

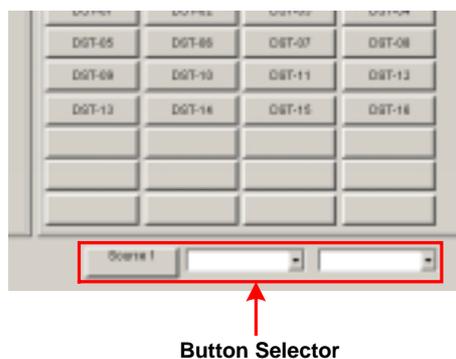


Figure 48

**Step 3:** At first it is recommended that any current button configurations are removed. This is achieved by first selecting the button. A selected button is indicated by a blue box.

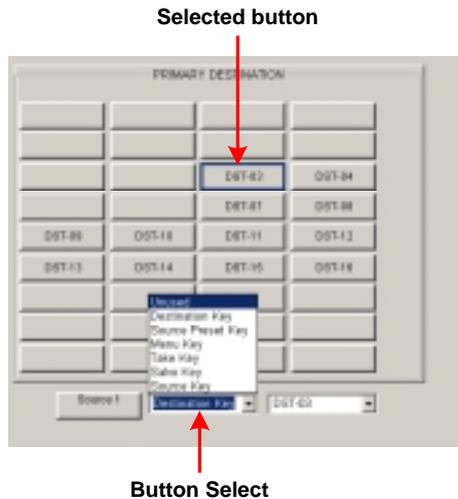


Figure 49

Next click the 'Button Select' drop down menu and select 'Unused', figure 49. This will clear the current configuration of the selected button. Repeat this process for all of the buttons on the pane, for both left and right panes.

### 9.4.2. The 'Menu' button

**Step 1:** Highlight the required location for the menu button. The selected position is confirmed by a blue box.

**Step 2:** Use the 'Button Select' drop down menu to select the required button functionality, in this example the 'Menu Key', figure 50. When the button type is selected the name of the next unallocated menu is displayed on the button.

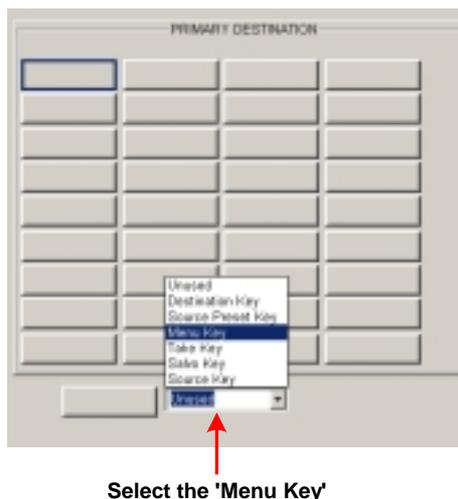
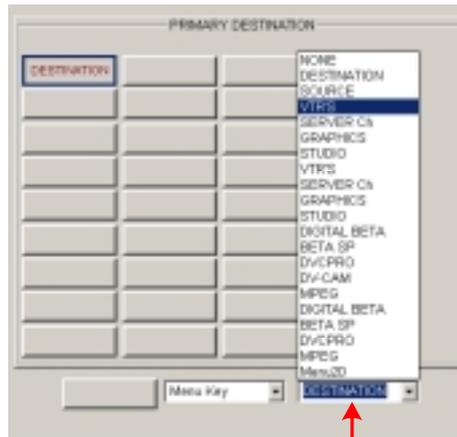


Figure 50

**Step 3:** Once the button has been configured as a 'Menu Button' an additional drop down box appears, figure 51. From this drop down list select the menu that needs to be linked to this button, in this example VTRs. The name VTRs will replace the default name that appears when the button type was selected.



Select the 'Menu'

Figure 51

The menu button is now created. Repeat this step for additional menu buttons.

**Step 4:** Click on 'Edit' and then 'Save' to save the new panel configuration. It is recommended to repeat the save step as each button is created.

Note: The list of menus that appear in the drop down box are loaded directly from the menus created and stored in library of the 'Edit Menus' window, as shown in figure 52.

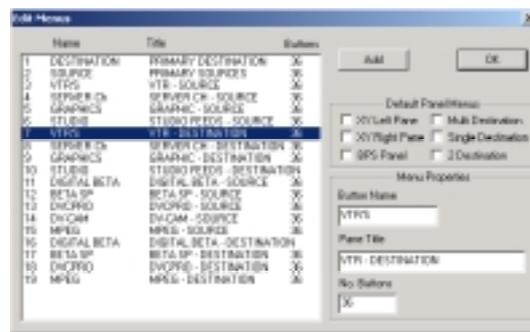
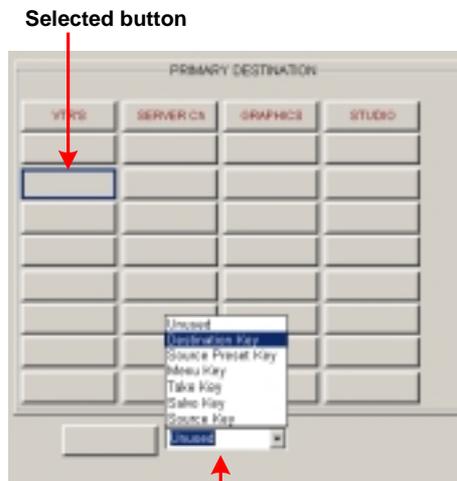


Figure 52

### 9.4.2. The 'Active' button

**Step 1:** Highlight the required location for the active button. The selected position is confirmed by a blue box.



Button Select

Figure 53

**Step 2:** Use the 'Button Select' drop down menu to select the required button functionality, in this example the 'Destination Key', figure 53. When the button type is selected the name of the next unallocated destination key is displayed on the button.

**Step 3:** Once the button has been configured as an 'Active Button' an additional drop down box appears, figure 54. From this drop down list select the required link for this button. As the button has been configured as a destination the list that appears in the drop down menu contains a rundown of the available destinations. The name of the chosen destination will replace the default name that appears when the button type was selected.

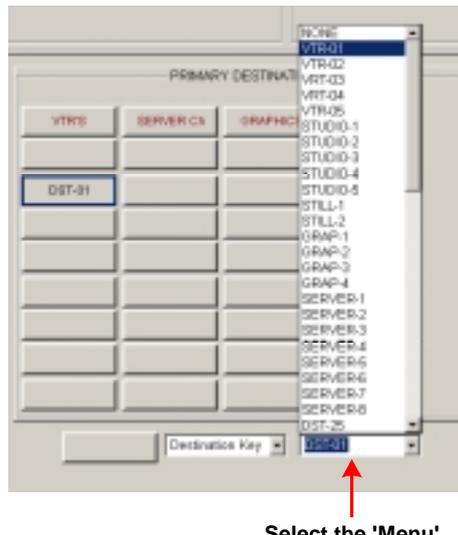


Figure 54

The active button is now created. Repeat this step for additional active buttons.

**Step 4:** Click on 'Edit' and then 'Save' to save the new panel configuration. Repeat the save step as each button is created.

Figure 55 shows one of the panes from the WinControl panel which has been configured with a mixture of single and cascaded menu buttons and active buttons.

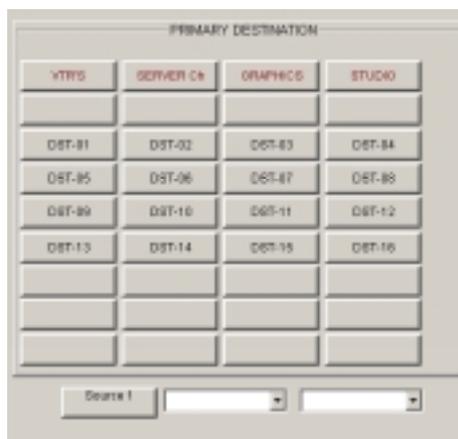


Figure 55

### 9.4.3. 'Short Cut' buttons

To aid in the configuration of the WinControl panel there are a number of 'short cut' buttons that can be used.

They are:

<b>Feature</b>	<b>Short Cut Key</b>
1. Unused	'U' or 'N'
2. Destination	'D'
3. Source Preset Key	'R'
4. Menu Key	'M'
5. Salvo Key	'V'
6. Source Key	'S'
7. Take Key	'T'

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