grass valley

JUPITER

AccuSwitch Soft Panels and Visual Status Display

Instruction Manual

Software Version 1.1.0

www.grassvalley.com

071871801
JANUARY 2012

KEMA Quality

CERTIFICATE

Certificate Number: 510040.001

The Quality System of:

Grass Valley USA, LLC and its Grass Valley Affiliates

Headquarters:
400 Providence Mine Road
Nevada City, CA 95945
United States

15655 SW Greystone Ct.
Beaverton, OR 97006
United States

Brunnenweg 9
D-64331 Weiterstadt
Germany

Kapittelweg 10
4827 HG Breda
The Nederlands

2300 So. Decker Lake Blvd.
Salt Lake City, UT 84119
United States

Including its implementation, meets the requirements of the standard:

ISO 9001:2008

Scope:
The design, manufacture and support of video and audio hardware and software products and related systems.

This Certificate is valid until:	June 14, 2012
This Certificate is valid as of:	December 23, 2010
Certified for the first time:	June 14, 2000

H. Pierre Sallé
President
KEMA-Registered Quality

The method of operation for quality certification is defined in the KEMA General Terms And Conditions For Quality And Environmental Management Systems Certifications. Integral publication of this certificate is allowed.

KEMA-Registered Quality, Inc.
4377 County Line Road
Chalfont, PA 18914
Ph: (215)997-4519
Fax: (215)997-3809
CRT 001 042108

Accredited By:
ANAB

a DEKRA company

grass valley

JUPITER

AccuSwitch Soft Panels and Visual Status Display

Instruction Manual

Software Version 1.1.0

www.grassvalley.com

071871801
JANUARY 2012

Contacting Grass Valley

International Support Centers	**France 24 x 7**	+800 8080 2020 or +33 1 48 25 20 20	**United States/Canada 24 x 7**	+1 800 547 8949 or +1 530 478 4148
Local Support Centers (available during normal business hours)	**Asia**	**Hong Kong, Taiwan, Korea, Macau:** +852 2531 3058 **Indian Subcontinent:** +91 22 24933476 **Southeast Asia/Malaysia:** +603 7805 3884 **Southeast Asia/Singapore:** +65 6379 1313 **China:** +861 0660 159 450 **Japan:** +81 3 5484 6868		
	Australia and New Zealand: +61 1300 721 495			**Central/South America:** +55 11 5509 3443
	Middle East: +971 4 299 64 40 **Near East and Africa:** +800 8080 2020 or +33 1 48 25 20 20			
	Europe	**Belarus, Russia, Tadzikistan, Ukraine, Uzbekistan:** +7 095 2580924 225 **Switzerland:** +41 1 487 80 02 **S. Europe/Italy-Roma:** +39 06 87 20 35 28 **-Milan:** +39 02 48 41 46 58 **S. Europe/Spain:** +34 91 512 03 50 **Benelux/Belgium:** +32 (0) 2 334 90 30 **Benelux/Netherlands:** +31 (0) 35 62 38 42 1 **N. Europe:** +45 45 96 88 70 **Germany, Austria, Eastern Europe:** +49 6150 104 444 **UK, Ireland, Israel:** +44 118 923 0499		

Copyright © Grass Valley, Inc. All rights reserved.
This product may be covered by one or more U.S. and foreign patents.

Grass Valley Web Site

The www.grassvalley.com web site offers the following:

Online User Documentation — Current versions of product catalogs, brochures, data sheets, ordering guides, planning guides, manuals, and release notes in .pdf format can be downloaded.

FAQ Database — Solutions to problems and troubleshooting efforts can be found by searching our Frequently Asked Questions (FAQ) database.

Software Downloads — Download software updates, drivers, and patches.

grass valley

END-OF-LIFE PRODUCT RECYCLING NOTICE

Grass Valley's innovation and excellence in product design also extends to the programs we've established to manage the recycling of our products. Grass Valley has developed a comprehensive end-of-life product take back program for recycle or disposal of end-of-life products. Our program meets the requirements of the European Union's WEEE Directive, the United States Environmental Protection Agency, and U.S. state and local agencies.

Grass Valley's end-of-life product take back program assures proper disposal by use of Best Available Technology. This program accepts any Grass Valley branded equipment. Upon request, a Certificate of Recycling or a Certificate of Destruction, depending on the ultimate disposition of the product, can be sent to the requester.

Grass Valley will be responsible for all costs associated with recycling and disposal, including freight. However, you are responsible for the removal of the equipment from your facility and packing the equipment to make it ready for pickup.

For further information on the Grass Valley product take back system please contact Grass Valley at + 800 80 80 20 20 or +33 1 48 25 20 20 from most other countries. In the U.S. and Canada please call 800-547-8949 or 530-478-4148, and ask to be connected to the EH&S Department. Additional information concerning the program can be found at: www.thomsongrassvalley.com/environment

THOMSON images & beyond

Contents

Section 1 — Introduction and Installation

Overview 1
Software Installation 2
Requirements 2
PC Requirements 2
.NET Software Requirements 2
Installing the Soft Panel Application 3
Performing Maintenance on the Soft Panel Application 5
Configuration 7
Soft Panel PC IP Settings 7
Connecting to the Network 7
Router Connection Settings 7
Saving the Device Settings 10
Assigning a Function Key 11
Setting Password Protection 12
Changing the Password 13
View Menu 14
Options 14
Requiring a Password to Change Settings on the Options Dialog 15
Jupiter File Server Settings 18
MPK Table Entries 18
Control Panel Sets 19
Compiling 19
Ordering Information 19

Section 2 — Basic XY Soft Panel

Basic XY Soft Panel Screen Description 21
The Menu Bar 21
File Menu 22
Settings Menu 22
View Menu 22
Help Menu 22
Display Fields and Buttons 23
Status Bar 23
Basic XY Soft Panel Operating Procedures 25
Making a Destination Selection / Status Check 25
Source and Destination Paging Buttons 26
Source Selection (All Levels Take) 26
Advise Option 28
Swap/Undo 28

Section 3 — Multi-Level XY Soft Panel

Multi-Level XY Soft Panel Main Screen Description 29

The Menu Bar 30
File Menu 30
Settings Menu 30
Sequences Menu 30
View Menu 30
Help Menu 31
Multi-Level XY Soft Panel Descriptions 31
Display Fields 31
Source and Destination Paging Buttons 32
Control Buttons 32
Status Bar 33
Multi-Level XY Soft Panel Operating Procedures 34
Destination Selection / Status Check 34
Source Selection (All Levels Take) 35
Advise Option 36
Swap/Undo 37
Level Breakaways (Split Switching) 37
Locking and Unlocking a Destination 38
Protecting or Un-protecting a Destination 38
Tool Tip Help 38
Sequence Operations 40
Local Sequences Screen Descriptions 40
Sequence Name 41
Existing Sequences 42
Sequence List 42
Sequence Commands 42
Creating a Local Sequence 42
Selecting an Existing Sequence 44
Removing an Existing Sequence 44
Exporting an Existing Sequence 45
Importing an Existing Sequence 47
Jupiter System Sequences 48

Section 4 — VSD Introduction

Overview 51
Views 51
Current VSD Limitations 52
VSD Interface 52
The Menu Bar 53
File 53
Edit 53
View 54
Tools 54
Help 54
The Tool Bar 54
View Buttons 54
Clipboard Buttons 55
Search Field 55
Zoom% Field 55
Column Width Adjustments 55
Force Unlock Button 55
The View System Status Area 56

The View Selection Area 56
The Connection Information Area 56
Interface Views 58
Destinations View 58
Sources View 58
Control Boards View 59
Tie Lines View 60
The Router Connection Settings Window 61
The Open Custom View Window 62
The Options Window 62
Section Headings 63
Use of Color 64
Requiring a Password to Change Settings on the Options Dialog 65
Hot Keys 67

Section 5 — VSD Installation

Distribution 69
Requirements 69
PC Display Requirements 69
.NET Software Requirements 70
Installing VSD Using the VSD Installer 71
Uninstall Process 74
Removing the VSD 74
Using the Add Remove Program Feature 74
Using the Installation program 74
Configuration Process 77
VSD PC IP Settings 77
Connecting to the Network 77
VSD Application Settings 77
User Preferences 80

Section 6 — VSD Procedures

VSD Procedures 83
Creating a View 83
Closing a View 84
Opening a View 84
Copying and Pasting a Row 85
Deleting a Row 86
Using the Search Field 87
Using the Hide Mode 87
Adjusting the Column Width 88
Adjusting a Single Column 88
Seeing All the Columns 89
Seeing All of the Content 90
Changing the Zoom Percentage 90
Setting the Zoom% to all Views of the Same Type 91
Using the Force Unlock Option 92
Clearing Tie Lines 92

Index 97

Section 1

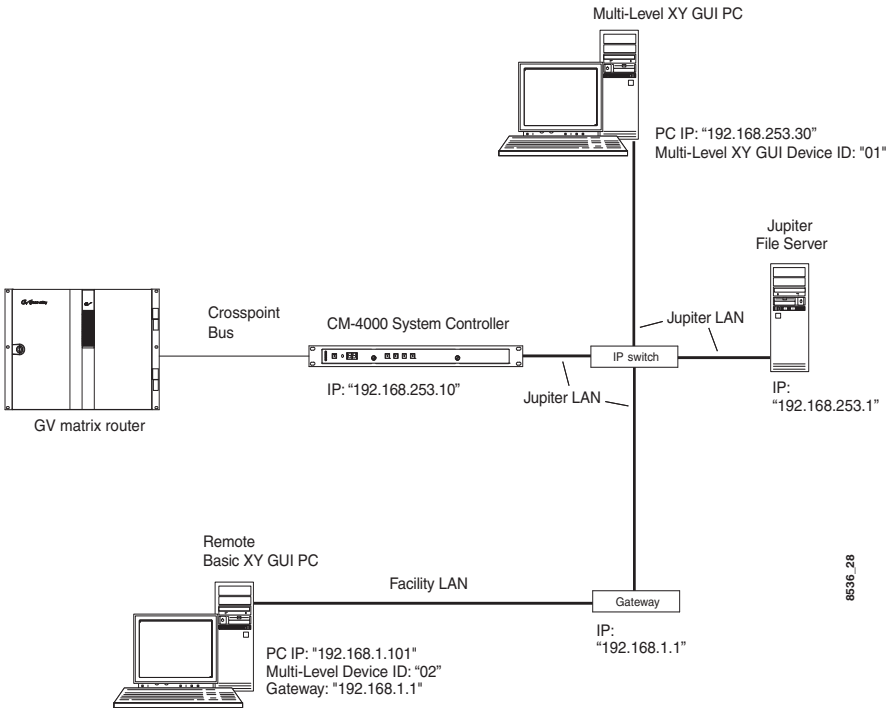
Introduction and Installation

Overview

The Jupiter Basic XY and Multi-Level XY Soft Panels are applications that are used to control a matrix router switcher. These Soft Panel applications run on the English version of the Windows XP Professional operating system. The computers that are running these Soft Panel applications must be able to communicate, through a network, with a Jupiter CM-4000 System Controller running AccuSwitch (See Figure 1). Each AccuSwitch Control board supports up to 64 devices, which can include any combination of hardware and soft panels.

Note The number of entries in the Control Panel's Input, Output, Level, Sequence and Override sets will have an effect on the System Controller's memory.

Figure 1. Jupiter System with Basic XY and Multi-level XY Soft Panels



Software Installation

Requirements

PC Requirements

Verify that the PC has the following minimum requirements before installing the AccuSwitch applications:

- Microsoft.NET 3.5 framework software (500 MB of disk space required)
- Windows XP Pro SP2 (English version)
- 2 GHz Pentium processor
- 1 GB of RAM
- Minimum of 13 MB disk space for each application

A minimum resolution of 1280 X 1024 and 32 -bit color PC monitor setting is recommended for proper display of the Soft Panel screens. The font size selected in the Appearance option on the Display Properties dialog (Control Panels> Display> Appearance: Font size drop-down list) should be set to Normal. Selecting either the *Large* or the *Extra Large Fonts* option will cause application display problems.

.NET Software Requirements

The PC that is running a Soft Panel application must have Microsoft's .NET Framework software installed. The .NET Framework version 3.5 SP1 can be installed on Windows XP Pro SP2. Other Microsoft-specified requirements are listed in Table 1.

Note Grass Valley only supports the English version of Windows XP SP2 for the Basic XY, Multi-Level XY, and Visual Status Display.

Table 1. System Requirements for Installing .NET Framework 3.5

Processor	Minimum	400 megahertz (MHz) Pentium processor
	Recommended:	1 gigahertz (GHz) Pentium processor
RAM:	Minimum:	96 megabytes (MB)
	Recommended:	256 MB
Hard Disk	Up to 500 MB of available space may be required.	
Installation Drive	The .NET Framework 3.5 default installation location is the PC's system drive (the drive that boots your system). Ensure at least 500 MB is available on the system drive.	

Installing the Soft Panel Application

The following instructions show the steps that are needed to install both soft Panel applications. The Basic XY Soft Panel screens are used as examples. However, the Multi-Level XY instructions steps are identical to the Basic XY instructions.

Follow these steps to start the Soft Panel application installation process:

1. Insert the supplied software CDROM into the computer's CD Drive and follow the prompts.

Note The CD should automatically start the installation process. If not, browse to the CD, using Window Explorer, and then click the **setup.exe** icon.

2. If this is an Initial installation, you may see a message asking if you want to install Microsoft .NET Framework. If so, select the **Yes** button. (The 3.5 SP1 version of .NET is located on the Soft Panel Installation CD.)

   Depending on the version of the computer's OS, the system may reboot automatically during this process.

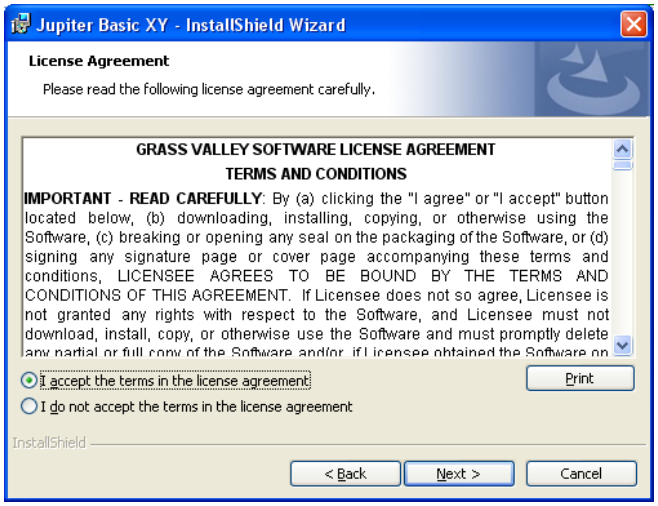
Note After an auto reboot, it may take several minutes for the system to display the Soft Panel installation welcome screen.

   The Soft Panel Welcome screen will then appear (Figure 2).

Figure 2. Soft Panel Installer Welcome Screen

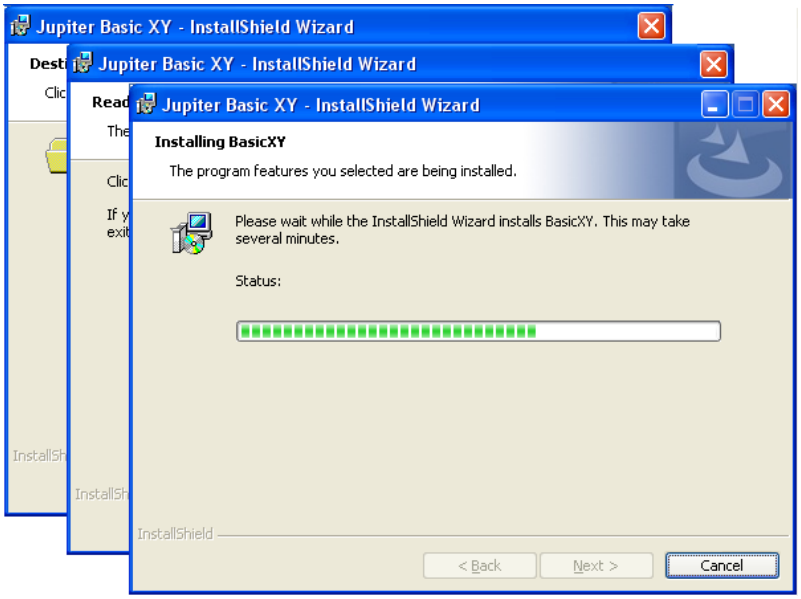
3. Click the **Next>** button to begin the installation process. The License Agreement screen will then appear (Figure 3).

Figure 3. Soft Panel Installer License Agreement Screen



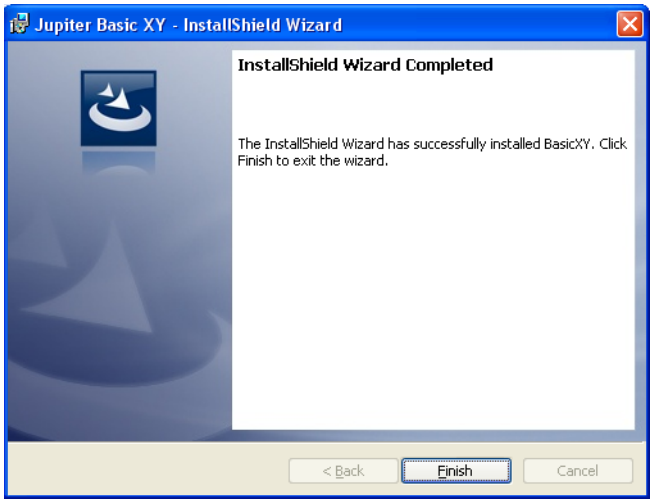
4. Click the **I accept the terms in the License agreement** radio button.
5. Click the **Next>** button to begin the installation process.
6. Follow the instructions on the following installation screens; click the **Next** button as needed (Figure 4).

Figure 4. Soft Panel Installation Screens



7. The InstallShield Wizard Completed screen will appear when the installation process is finished (Figure 5).

Figure 5. Installation Completed Screen



8. Click the **Finish** button. The Installation application will then close.

Soft Panel Desktop Icon

As part of the installation process a Soft Panel shortcut, for the type of soft panel that was installed (Basic XY or Multi-Level XY), will be displayed on your PC's desktop (Figure 6). Clicking this shortcut will launch the installed soft panel. The Soft panel must be configured to meet your needs

Note See the *Configuration* section below for the configuration steps.

Figure 6. The Soft Panels Shortcut Example

Note The Soft Panel application still needs to be configured with your Jupiter AccuSwitch system before it will become operational.

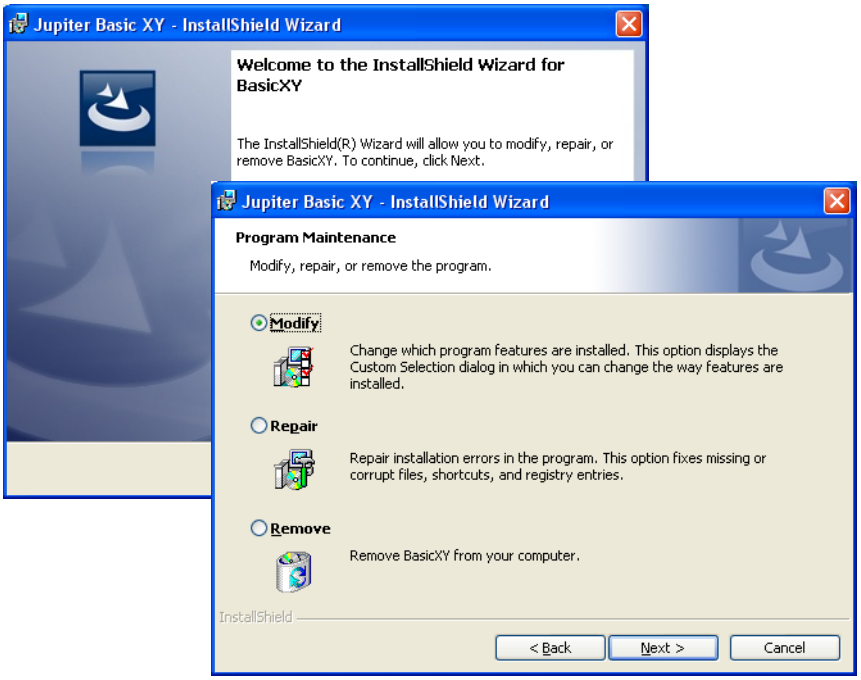
Performing Maintenance on the Soft Panel Application

When a Soft Panel application already exists on the PC when the installation program is run:

- If the version is older than what is being installed, then the installation wizard will ask to perform an update.
- If the version is the same as what is being installed, then the Welcome screen displays a Modify, Repair, Remove message.

Clicking the **Next>** button allows you to make changes to the Soft Panel installation (Figure 7).

Figure 7. Installation Modify, Repair, Remove Screen



Select the preferred task and then click the **Next>** button.

Configuration

Soft Panel PC IP Settings

The PC, on which the Soft Panel application is installed, must be configured to communicate with the Jupiter AccuSwitch Controller. Consult with your Network administrator for this information.

Connecting to the Network

The Soft panel and the VSD connect to the network using one of two ports. These ports are either:

- Port 420
- A port number that is the Device ID added to 50000. For example, if the Device ID is 21, the port number would be 50021.

Note If the GUI panel is behind a firewall, the ports listed above will need to be opened for the Soft panel and VSD to communicate with the AccuSwitch Control module.

Router Connection Settings

During the following steps, you will need to know the IP address of the primary AccuSwitch Controller (and the secondary, if it is installed) that will be associated with the Soft Panel and the PC's IP address. Use the Jupiter File Server JNS Control Center application's *Board Info* tab to determine the AccuSwitch Controller IP address (the Control Center application is described in the *Jupiter CM-4000 Installation and Operating* manual).

Note Consult with your Network administrator if you do not know the network values to enter.

Follow these steps to set the Router Connection settings:

1. Launch the Soft Panel application. This will display the main Soft Panel screen (Figure 8).

Figure 8. Basic XY Soft Panel Startup Display Example

2. Select Route Connection from the File menu (File> Route Connection). The *Router Connection Editor* dialog will then appear.

3. Enter the name for the setting in the Setting Name field. The Setting Name field can be changed when configuring a new connection, before the **Save** button has been selected.

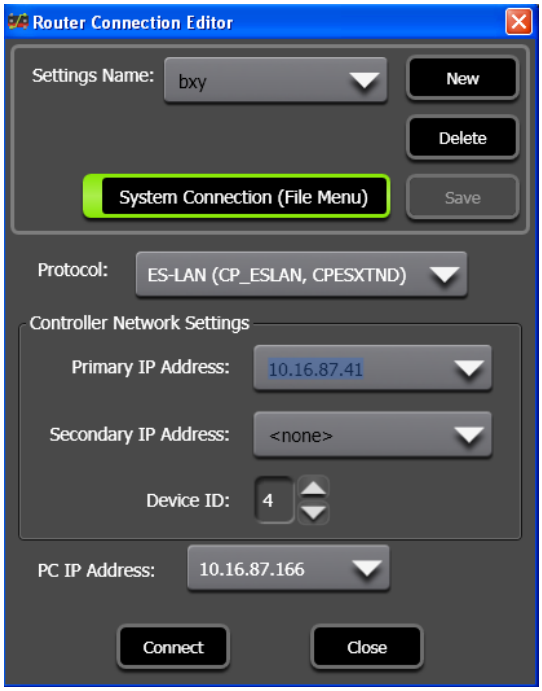
Note The maximum length of a Settings name is 16 characters.

4. Click the **System Connection (file Menu)** button to enable the *System Connections* option and save the connection to the File menu. This menu option provides a list of available connections that have been saved and can be used to connect to a server.

5. Select the Protocol from the list.

Note Currently, the only selectable option for the Protocol list is ES-LAN.

Figure 9. Router Connection Editor Dialog



Controller network Settings

1. Enter the IP address of the AccuSwitch Controller that is associated with this Soft Panel in the *Primary IP Address* field.
2. Enter the IP address of the secondary AccuSwitch Controller in the *Secondary IP Address* field. Leave the field blank if there is not a secondary controller.
3. Enter a number between 1 and 64 for the *Device ID* field. This number must be unique from all panels that are associated with the same AccuSwitch Controller. The Device ID is also entered on the MPK Devices table, as described below in the *MPK Table Entries* section.

Note The Device ID number selected here corresponds to the MPK table Address entry that uses two digit leading-zero numbers (01-09).

4. Select the IP address for the PCs NIC card from the *PC IP Address* drop-down list, if it is not already selected (See *Soft Panel PC IP Settings* *on page 7*).

Note If you have more than one NIC card, consult your IT department to determine which IP Address will be able to communicate with the Jupiter Network (AccuSwitch control board).

5. Click the **Connect** button.

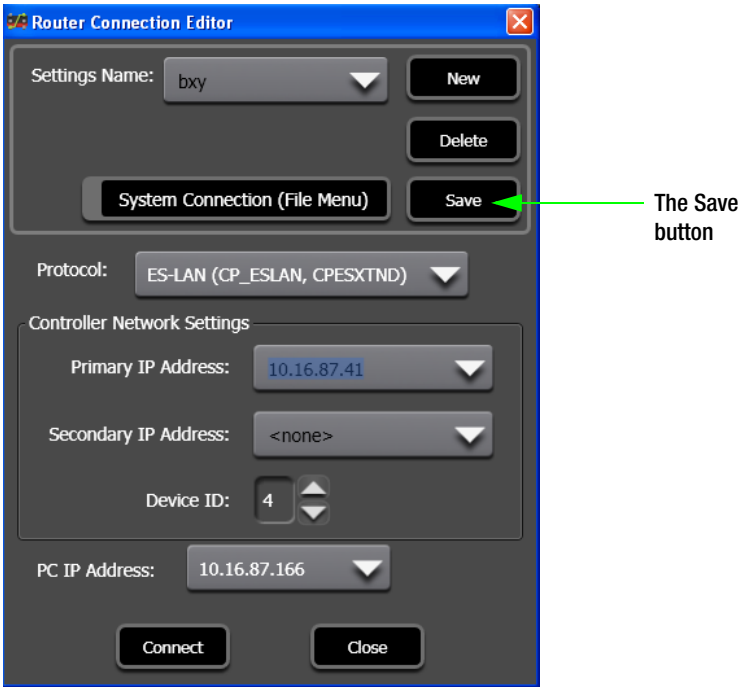
Saving the Device Settings

Save the settings by selecting the Save Settings option from the File menu (File> Save Settings). The *Save Device Settings* dialog will then appear.

Follow these steps to save the device settings:

1. Create a name for the settings file. For example, the Panel Name “ES-LAN2” could be used.
2. Click the **Save** button (Figure 10).

Figure 10. The Save Button



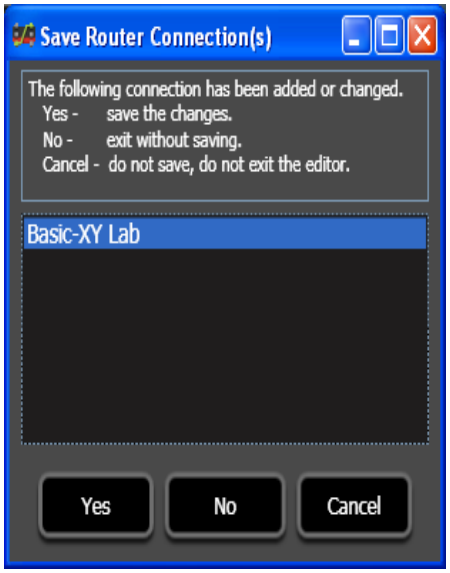
The current connection settings are then saved to the "NetworkSettings.xml" file, which is located in the installation directory for the specific control panel. For example, C:\Program Files\Thomson\Jupiter Basic XY would be the location for the settings for the Basic XY panel.

Clicking the Close Button Without Saving the Settings

The Save Network Connection(s) dialog (Figure 11 on page 11) will appear if a new connection has been created or if changes have been made to an existing connection and then the **Close** button is clicked before first clicking the **Save** button.

The Save Network Connection(s) dialog will prompt you to save the changes.

Figure 11. The Save Network Connections) Dialog



- Click the **Yes** button to save the changes.
- Click the **No** button to close the Save Router Connection(s) dialog and the Router Connection Editor dialog without saving the changes. You will no longer be prompted to save changes when you exit the program.
- Click the **Cancel** button to close the Save Network Connection(s) dialog and return to the Router Connection Editor dialog. However, no changes will be saved.

Clicking the Connect Button Without Saving the Settings

The application will attempt to reconnect using the new or changed connection settings if you click the **Connect** button on the Router Connection Editor dialog. This attempt will happen whether the changes were saved or not. These settings are temporary and will be lost if the application is closed and the setting changes were not saved.

Assigning a Function Key

The Multi-Level XY Soft panel application allows you to assign a Function key for the **Take** button. The function key could then be used to perform Takes. This is not an option for the Basic XY soft panel.

Follow these steps to assign a function key:

1. Select the Assign Function Key.... option from the Settings menu (Settings> Assign Function Key....). The *Assign Function Key* dialog will then appear.

Figure 12. Assign Function Key Dialog

2. Select a Function key from the drop-down list. Any function key between F1 and F12 can be assigned.
3. Click the **OK** button to save the selection.

Setting Password Protection

A password can be used to protect the settings file if that is your preference, see Figure 13. This setting is optional.

Follow these steps to set password protection:

1. Select Change/Set Password from the Settings menu (Settings> Change/Set Password...).

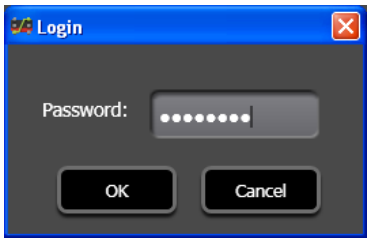
Figure 13. Password Dialog

2. Enter a password in the New Password field. Passwords are case-sensitive and must be from 1 to 20 characters in length. Any character can be used, including spaces.
3. Re-enter the password entered in the New Password field into the Confirm New Password field.

4. Click the **OK button** to save the changes.

Once a password has been set, you will need to log in before you can make changes to the Soft Panel settings, see Figure 14.

Figure 14. Login Dialog, if Password Protected



Changing the Password

Once a password has been set and you want to create a new password, you will need to enter the original password and then the new password.

Follow these steps to change the password:

1. Select Change/Set Password from the Settings menu (Settings> Change/Set Password...). The Password dialog will then appear.

Figure 15. Password Dialog

2. Enter the previously saved password in the Old password field.
3. Enter a new password in the New Password field. Passwords are case-sensitive and must be from 1 to 20 characters. Any character can be used, including spaces.
4. Re-enter the password entered in the New Password field into the Confirm New Password field.
5. Click the **OK button** to save the changes.

View Menu

Currently the only available selection in the View menu is Options.

Options

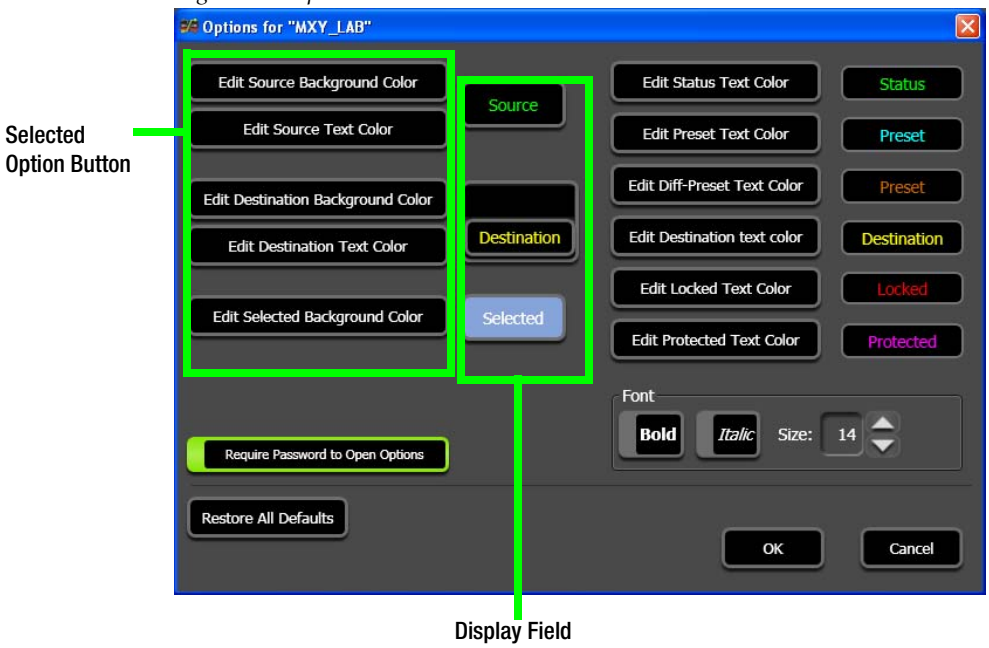
The panel's optional settings are contained in the Options dialog. The Soft Panel's background colors, font's colors, styles, and size can be changed to meet your needs. The Soft Panel application's default colors are listed below in the *Default Colors* section.

These options are now associated with a connection, which means each connection could have different colors and settings. The intent of this optional change in color and settings is to make it easier to identify each connection that you are using.

Follow these steps to modify the options for a soft panel and VSD:

1. Select View> Options... from the Menu bar. The Options screen will then appear (Figure 16).

Figure 16. Options Screen



2. Clicking any one of the *Option* buttons, that start with "Pick. . .,"will open the *Color* dialog (Figure 17). This color dialog allows you to use standard windows colors or you can define custom colors.

Figure 17. Options Color Selection Dialog

3. Selecting a color and then clicking the **OK** button, in the *Color* dialog will change the option's example display field to that color.
4. Controls are also available that allow selecting the font size, bold, and italic attributes (see Figure 16 on page 14).

Default Colors

The colors listed below are the default color settings.

Table 2. Default Colors

Color	Function
Green	Current Source/Status
Magenta	Protect
Red	Lock
Yellow	Destination
Cyan	Preset/Next source
Amber	Misc selections.

Note If a level on the Multi-Level XY is different from the first level, it will be displayed in Amber while on the Preset line; however, the Level will be displayed in Green once it is on the Status line.

Requiring a Password to Change Settings on the Options Dialog

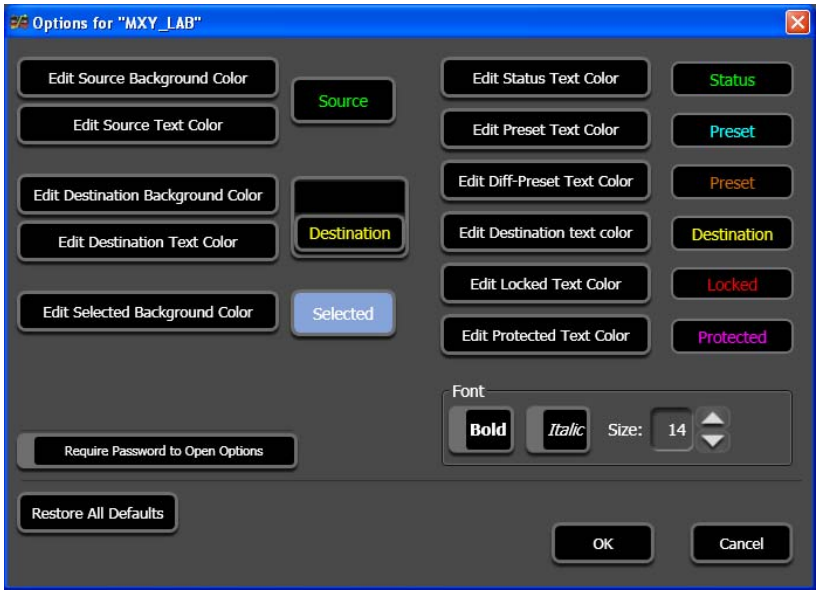
You can limit the ability to change the settings on the Options dialog by requiring a password to make changes.

Note This required password is the password that was set for the entire control panel. See *Setting Password Protection* *on page 12* for more information.

Follow these steps to make a password required:

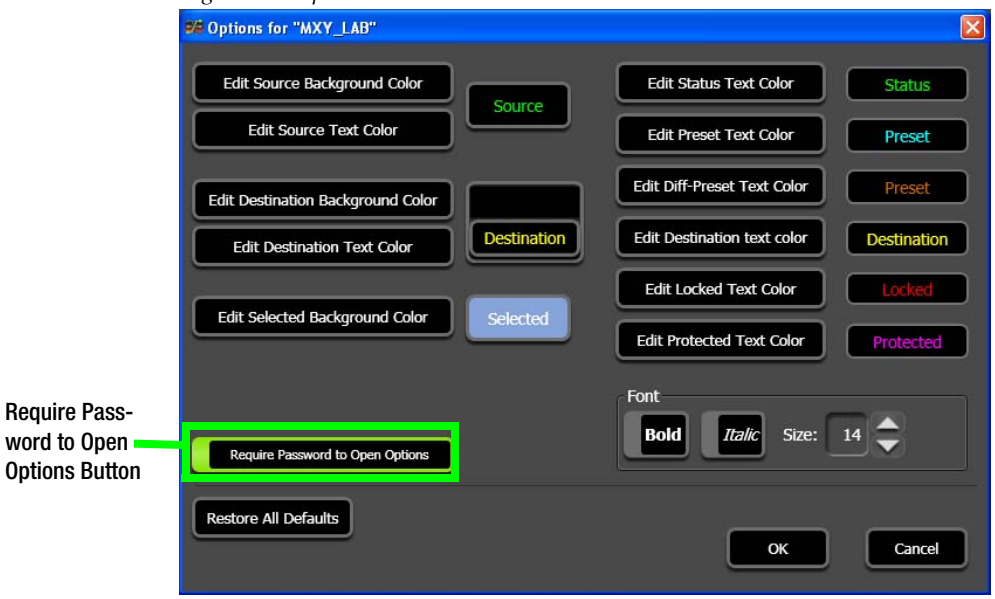
1. Select View> Options... from the Menu bar. The Options screen will then appear (Figure 18).

Figure 18. Options Screen



2. Click the **Require Password to Open Options** button; the button will now be highlighted (Figure 19).

Figure 19. Options Screen



A password will now need to be entered into the Login dialog open the Options dialog (Figure 14 on page 13).

Jupiter File Server Settings

The following overview assumes that the reader is familiar with the Jupiter Facility Control System. If not, please refer to the *Jupiter CM-4000 Installation and Operation* manual.

MPK Table Entries

Although the Soft Panel and VSD applications are not actually an MPK-type panel (it does not use the Message Per Keystroke protocol), the MPK table is used for configuration purposes.

MPK Device - Enter a name, up to eight characters in length, for each Soft Panel. This name must be unique system-wide.

Type - Select type "CP-ESLAN" on the pull-down menu. Select "CPESXTND" for use with 98 categories.

Expansion - Leave unchecked not used for Soft Panels.

Password - Enter 90-99 in the Password column to enable the Force Unlock / Unprotect option. Devices can now be configured to force unlock and force un-protect any destination regardless of what panel locked or protected it. See the 7.8.1 version of the *Jupiter Control System Release Notes (part # 071827511)* for more information.

Board - Enter the name of AccuSwitch Controller associated with this Soft Panel. The source of this name is the Network Description table.

Port - This field is not used for Soft Panels.

Address - Enter the panel address from 01 to 64. The address must be unique for panels that are associated with the same AccuSwitch Controller. This number is referred to as the "Device ID" on the Soft Panel "Devices> Settings" menu.

Input Set - Enter the name of CP Input Set to be assigned to this panel. The usual practice is to have one CP Input Set, which contains the names of all sources, be applied to all panels. However, a special CP Input Sets that list only selected sources could be created. Such a set could be used to prevent certain panels from selecting specific sources.

Note When entering the information for the VSD, you want all inputs, outputs, and levels.

In Panel - This column is not used for Soft Panels.

Out Set - Enter the name of the CP Output Set to be assigned to this panel. If the entry is an actual CP Output Set, then the control panel will be able to control all the destinations listed in that Set. Depending on the contents of the set, this would allow for full-matrix or multi-bus control. The source of the destination name is the Switcher Output table.

Out Panel - This column is not used for Soft Panels.

Level Set - Select the CP Level Set name.

Override - This column is not used for Soft Panels.

Sequence - A Sequence Set can be created and named, which, when assigned to a panel, makes the sequences in that set available on that panel.

Note Sequences are not used in the VSD application.

Control Panel Sets

The router sources and destinations for the Soft Panels are specified by creating a CP Input/Output set of type of CPESXTND for device type CPESXTND, or CP-3800 for the device type CP-ESLAN. Soft panels use level and sequence sets of type CP-3800.

These sets are assigned to each panel using the MPK Devices table.

The CP Input and Output sets are also the source of the eight-character mnemonics displayed on the panel.

VSD Control panel sets must contain all Sources, Destinations, and Levels to display the status correctly. The VSD does not support duplicate Source, Destination, and Level entries.

Compiling

Before the panel can be used, the edited Jupiter set must be compiled and the appropriate configuration set made active using the Control Center. For more information, please refer to the Configurator section in the *Jupiter CM-4000 Installation and Operating* manual.

Ordering Information

Table 3. Soft Panel Series Ordering Information

JUP-Soft Panel Series Software Control Panels	
JUP-SP-Basic XY	Basic XY soft panels featuring source to destination routing
JUP-SP-ML-XY	Multi-Level XY soft panels featuring complex breakaway routing functions, lock & protect of all levels or individual levels, configuration save and recall.

Section 2

Basic XY Soft Panel

Basic XY Soft Panel Screen Description

Clicking the Jupiter Basic XY desktop icon (or running the BasicXY-Panel.exe file) will open the Basic XY Soft Panel screen see Figure 20. The Destinations and Sources will be displayed on the buttons once the panel has been configured.

Figure 20. The Basic XY Application

The Menu Bar

The Menu Bar contains different menus for the application. This Menu bar follows Windows standards, with some additional application specific functions.

File Menu

Router Connection: Opens the Router Connection Settings window. This window is where the Setting Name, Device ID, and the IP address of the server to which the Soft Panel will connect.

Note The maximum length of a Settings name in the Router Connection Settings window is 16 characters.

Router Disconnect: Disconnects Soft Panel from the server.

Router Reconnect: Reconnects to the server using the most recent settings.

System Connections: Provides a list of available connections that have been saved and can be used to connect to a server.

Exit: Closes the Soft Panel application.

Settings Menu

Change/Set Password: Opens the Password window. See the *Setting Password Protection* section for more information.

Skip Empty Category: Groups the categories together when this option is selected. When it is not selected, the application will display the spaces between categories that are in the category table.

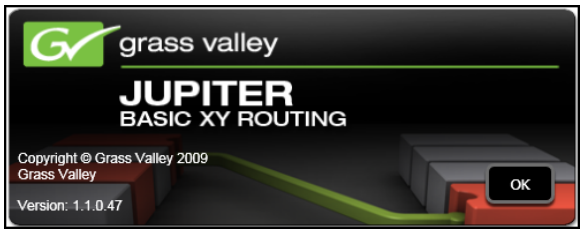
View Menu

Options: Opens the Options window. See the *Options* section for more information.

Help Menu

The Help menu currently has the *About Jupiter Basic XY* option. An About screen will appear when this option is selected. The About screen has the following information: Copyright information, the name of the application, and the current version number of application. An example of the About screen is shown below in Figure 21.

Figure 21. The About Screen



Click the **OK** button to close the About screen.

Display Fields and Buttons

The Basic XY Soft Panel Screen's display fields and buttons definitions are provided below, in clockwise order.

Source Categories - Displays the matrix router source categories that can be selected by this Soft Panel.

Source Entries - Displays the specific matrix router sources that can be selected by this Soft Panel.

Destination Categories - Displays the matrix router destination categories that can be controlled by this Soft Panel.

Destination Entries - Displays the specific matrix router destinations that can be controlled by this Soft Panel.

Page Indicator - Displays what page is being displayed for the Destination Categories, Source Categories, Destination Entries, and Source Entries sections (For example, page 1 of 2.).

Destination - Displays the destination that is presently being controlled by the panel.

Status - Displays the source presently switched to the panel's controlled destination (shown for the first router level listed in the Jupiter CP Level Set or CP Output Level Set--usually video).

Preset - Displays a preview of the names of the new sources after they are selected.

Take button - Switches the Preset source to the indicated Destination.

Status Bar

The Status bar, which is at the bottom of the interface shows three items of information: Connected, Settings, and the Current time (Figure 22). Each of these items is described below.

Figure 22. Basic-XY Panel Status Bar

Connected: Shows the time that the XY Panel was successfully connected to the controller. This time is the PC's Current time.

Settings: Shows the Setting name, the Device ID and the IP address that was used to connect to the Controller network.

Current Time: Shows the PC's Current time.

Basic XY Soft Panel Operating Procedures

Making a Destination Selection / Status Check

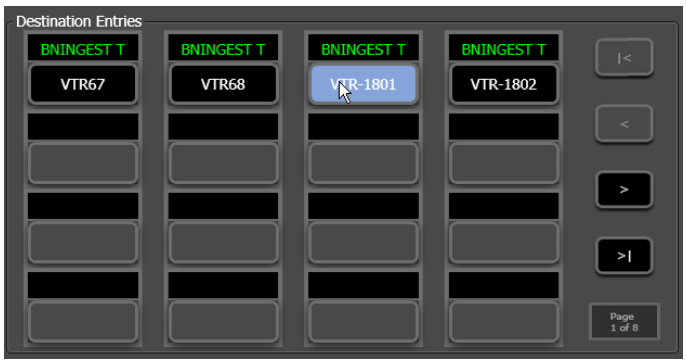
Follow these steps to select a destination prior to making a switch or to check status:

1. Select a new destination category; VTR is used in the example below (Figure 23). This selection will populate the Destination Entries fields with the available destinations in the selected category.

Figure 23. Destination Category Section

2. Choose a destination entry; VTR-1801 is used in the example below (Figure 24). The name of the destination will be shown in the Destination window (shown above the "entry" button) and the name of the source that is currently switched to this destination, will be shown in the Status window. The Status window is located in the top half of the interface, in between the Destination Categories and the Source Categories sections. See Figure 20 on page 21.

Figure 24. Destination Entries Section



Note Panels will show eight asterisks (****) as a status, when the panel has no way of reporting the mnemonic of the source. This condition could occur when a source that is selected by panel "B" has the same destination that is being "statused" by Panel "A," and this source is not available in the configuration for panel "A."

When a panel cannot be changed to the desired output, the panel may have been limited to certain outputs by the CP Output set used on the Jupiter MPK Devices table.

Source and Destination Paging Buttons

The Source and Destination **Paging** buttons are used to scroll through and to see the destinations and the source panel's options. Sometimes, all of these destination and source options cannot fit on the screen. The "paging" buttons will be active when there are options that are "off screen", if not, they will be grayed out. Table 4 on page 26 will provide the names and a description of what the button will do when it is clicked.

Table 4. The Paging Buttons

	The Start button: Clicking this button will show the beginning options on the "list."
	The Previous button: Clicking this button will show the preceding options.
	The Next button: Clicking this button will show the succeeding options.
	The End button: Clicking this button will show the last options on the "list."
	Page Indicator: Displays what page is being displayed for the Destination Categories, Source Categories, Destination Entries, and Source Entries sections (For example, page 1 of 2.).

Source Selection (All Levels Take)

Note The Basic XY application does not allow switching levels independently.

Follow these steps to make a Source selection:

1. Check that the desired destination has been selected.

2. Select the desired source category; MISC is used in the example below (Figure 25). This selection will populate the Source Entries fields with the available sources for the selected category (Figure 26).

Figure 25. Source Category Section

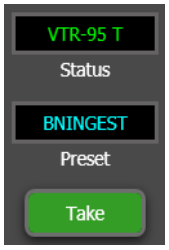
3. Choose a source entry; ARC-OUT3 is used in the example below (Figure 26). This selection will then load the source name in the Preset window (Figure 27).

Figure 26. Source Entries Section

Figure 27. Preset Window

4. Click the **Take** button. The newly switched source will then be shown in the Status window (Figure 28).

Figure 28. Status Window



Advise Option

When the Advise flag option has been set in the Jupiter Control system and an attempt is made to switch a Source to a new Destination, the switch will not occur. The Basic XY panels will instead display the following message on the control panel:

```
SRC in use by: <Destination name>
```

This message will be displayed for approximately three (3) seconds and will then disappear.

You will not be able to switch to a new device until the destination that is using the source is either:

- Switched to a different source.
- Switched to the "SAFE" input.

Note The Advise option will not work when you are using Sequences or Multiple-destination switching when the same source is being routed to more than one destination.

This option will avoid having the Source connected to two Destinations at the same time.

Swap/Undo

After each switch, the previous source will automatically return to the Preset display so that each "Take" will make the last two sources to "flip-flop." (The Preset display will be cleared when a new source or destination is selected.)

Section 3

Multi-Level XY Soft Panel

Multi-Level XY Soft Panel Main Screen Description

Clicking the Jupiter Multi-Level XY desktop icon, or running the Multi-LevelXYPanel.exe file, will open the Multi-Level XY Soft Panel application. The destinations and sources will be displayed on the buttons once the panel has been configured (Figure 29).

Figure 29. Multi-Level XY Soft Panel

The Menu Bar

The Menu Bar contains different menus for the application. This Menu bar follows Windows OS standards, with some additional application specific functions.

File Menu

Router Connection: Opens the Router Connection Settings window. This window is where the Setting Name, Device ID, and the IP address of the server to which the Soft Panel will connect.

Note The maximum length of a Settings name in the Router Connection Settings window is 16 characters.

Router Disconnect: Disconnects the Soft Panel application from the server.

Router Reconnect: Reconnects the Soft Panel application to the server using the most recent settings.

System Connections: Provides a list of available connections that have been saved and can be used to connect to a server.

Exit: Closes the Soft Panel application.

Settings Menu

Assign Function Key: Opens the Assign Function Key window. See the *Assigning a Function Key* section for more information.

Change/Set Password: Opens the Password window**.** See the *Setting Password Protection* section for more information.

Skip Empty Category: Groups the categories together without blank spaces when this option is selected. When it is not selected, the application will display the spaces between categories that are in the category table.

Sequences Menu

Local Sequences: Opens the Sequences window. See the *Sequence Operations* section for more information.

Jupiter System Sequences: Opens the Jupiter System Sequences window. See the *Jupiter System Sequences* section for more information.

View Menu

Options: Opens the Options window. See the *Options* section for more information.

Help Menu

The Help menu currently has the *About Jupiter Multi-Level XY* option. An About screen will appear when this option is selected. The About screen has the following information: Copyright information, the name of the application, and the current version number of application. An example of the about screen is shown below (Figure 30).

Figure 30. The Multi-Level XY About Screen

Click the **OK** button to close the About screen.

Multi-Level XY Soft Panel Descriptions

Display Fields

The definitions for the Multi-Level XY soft panel screen's display fields are provided below.

Source Categories - Displays the matrix router source categories that can be selected by this Soft Panel.

Source Entries - Displays the specific matrix router sources that can be selected by this Soft Panel.

Destination Categories - Displays the matrix router destination categories that can be controlled by this Soft Panel.

Destination Entries - Displays the specific matrix router destinations that can be controlled by this Soft Panel.

Page Indicator - Displays what page is being displayed for the Destination Categories, Source Categories, Destination Entries, and Source Entries sections (For example, page 1 of 2.).

Preset - Displays a preview of the names of the new sources after they have been selected. After the **Take** button is pressed, the previous source is then shown in the Preset row, which allows you to "flip-flop" the sources, or to switch between the current and preset sources by repeatedly pressing the **Take** button.

Status - Displays the source presently switched to the panel's controlled destination (shown for the levels listed in the "Level" row).

Level - Displays the level names that have been established by the Jupiter CP Level Set. The first level is usually video; the remainder are usually audio.

Destination - Displays the destination that is presently being controlled by the panel.

Source and Destination Paging Buttons

The **Paging** buttons are used to scroll through and see the destination and source panel's options. Sometimes, all of these destination and source options cannot fit on the screen. The **Paging** buttons will be active if there are "off screen" options, if not, they will be grayed out. Table 5 shown below, will provide the names and a description of what the button will do when it is clicked.

Table 5. The Paging Buttons

	The Start button: Clicking this button will show the beginning options on the "list."
	The Previous button: Clicking this button will show the preceding options.
	The Next button: Clicking this button will show the succeeding options.
	The End button: Clicking this button will show the last options on the "list."
	Page Indicator: Displays what page is being displayed for the Destination Categories, Source Categories, Destination Entries, and Source Entries sections (For example, page 1 of 2.).

Control Buttons

Take - Switches the Preset source to the indicated Destination.

Clear Preset - Clears the Preset display.

Lock - Prevents the selected destination from being switched by any panel in the system, including the initiating panel. Each level can be locked or protected individually. A Locked destination is indicated by red lettering when using default color display options.

Unlock - Unlocks the destination if this panel locked the destination.

Protect - Prevents the selected destination from being switched by any *other* panel in the system. A protected destination is indicated with magenta lettering, when using default color display options.

Unprotect - Removes the Protected status if this panel locked the destination. The destination can then be switched by any panel in the system.

Save Status - Saves the selected destination's current status to be recalled later as the preset source of another switch.

Recall to Preset - Recalls a saved switch configuration. Switch configuration is one destination with a source per level. Each level can have a different source, but only one destination. Multiple destinations need to use Local sequences.

CAUTION Selecting the **Recall to Preset** button, and then clicking the **Take** button, will execute the recalled source(s), level combination to the single defined destination from the saved file.

Sticky Levels - When clicked, after a Take is performed the selected levels will remain selected until deselected or the destination is changed.

Status Bar

The Status bar, which is at the bottom of the interface shows three items of information: Connected, Settings, and the Current time (Figure 31). Each of these items is described below.

Figure 31. Multi-XY Panel Status Bar

Connected: Shows the time that the XY Panel was successfully connected to the controller. This time is the PC's Current time.

Settings: Shows the Setting name, the Device ID and the IP address that was used to connect to the Controller network.

Current Time: Shows the PC's Current time.

Multi-Level XY Soft Panel Operating Procedures

Destination Selection / Status Check

Follow these steps to select a destination prior to making a switch or to check status:

1. Select a new destination category; vtr is used in the example below (Figure 32).

Figure 32. Destination Category Section

This step will populate the Destination Entries fields with the available destinations in the selected category.

To scroll to additional categories, use the **Paging** buttons in the Destination Category field. Clicking the **Last** button will scroll to the last available category. The **Paging** buttons will only be available if there are options that are not shown.

2. Choose a destination entry; OUT-012 is used in the example below (Figure 33).

Figure 33. Destination Entry Section

To scroll to additional entries, use the **Paging** buttons in the Destination Entries field.

The name of the selected destination will be shown in the Destination window (at the bottom of the screen). The name of the source(s) currently switched to this destination will be shown in the Status row.

Note Panels will show eight asterisks (****) as a status, when the panel has no way of reporting the mnemonic of the source. This condition could occur when a source that is selected by panel "B" has the same destination that is being statused by Panel "A," and this source is not available in the configuration for panel "A."

Panels that cannot be changed to the desired destination may have been restricted to certain destinations by the CP Output set that is used on the Jupiter MPK Devices table.

Source Selection (All Levels Take)

To select a source:

1. Check that the desired destination is shown in the Destination window, which is located in the lower left-hand corner of the interface.

Figure 34. Destination Window

2. Select the desired source category; VCR is used in the example below (Figure 35). This selection will populate the Source Entries fields with the available sources in the selected category.

Figure 35. Source Category Section

3. Choose a source entry; SRC-072 is used in the example below (Figure 36 on page 36).

Figure 36. Source Entry Section

Selecting the source entry will load the source name in the Preset row. The **Take** button will then be enabled.

4. Click the **Take** button.

The newly switched source will now be shown in the Status row (Figure 37).

Figure 37. Status Row

Advise Option

When the Advise flag option has been set in the Jupiter Control system and an attempt is made to switch a Source to a new Destination, the switch will not occur. The Multi-Level XY panels will instead display the following message on the control panel:

```
SRC in use by: <Destination name>
```

This message will be displayed for approximately three (3) seconds and will then disappear.

You will not be able to switch to a new device will not be executed until the destination that is using the source is either:

- Switched to a different source.
- Switched to the “SAFE” input.

Note The Advise option will not work when you are using Sequences or Multiple-destination switching when the same source is being routed to more than one destination.

This option will avoid having the Source connected to two Destinations at the same time.

Swap/Undo

After each switch, the previous source automatically returns to the Preset row so that each "Take" causes the last two sources to flip-flop. (The Preset row is cleared when a new destination is selected.)

Level Breakaways (Split Switching)

This function allows different sources to be selected for different levels. For example, you have the ability to switch the video without having to switch the audio as well.

Checking Status of Selected Level

Select the desired destination category and entry. The status of each router level will then be shown in the Status row, which is located at teh bottom of the application.

Performing a Breakaway Switch

Follow these steps to perform a breakaway switch:

1. Select the desired destination category and destination entry.
2. Toggle on/off the desired levels by clicking the level in the Status row.

   This will outline the fields for the selected levels (Figure 38).

Figure 38. Status Row Selected

3. Select the desired source category and source entry.

   This will load the Preset fields for the selected levels.
4. Press the **Take** button to execute the breakaway switch.

When the switch is complete the panel will revert to all-level switching if the **Sticky Levels** button is selected. If the **Sticky Levels** button is selected, then the selected levels remain selected; otherwise, all level will be deselected.

Locking and Unlocking a Destination

Locking a destination prevents that destination from being switched by any panel in the system, including the initiating panel.

Follow these steps to lock a destination:

1. Click the **Lock** button. If no levels are selected, all valid levels for the destination will be locked. If levels are selected, only the selected levels will be locked.

Figure 39. Lock and Unlock Buttons

2. The status row will then change to the color that is assigned in the *Options* dialog (Menu bar: View> Options...).

To unlock the destination click the **Unlock** button. This will affect the same levels as the Lock operation.

Protecting or Un-protecting a Destination

Protecting a destination prevents that destination from being switched by any *other* panel in the system.

Follow these steps to protect a destination:

1. Click the **Protect** button. If no levels are selected, all valid levels for the destination will be protected. If levels are selected, only the selected levels will be protected.

Figure 40. Protect and Unprotect Buttons

2. The status row will then change to the color that is assigned in the *Options* dialog (View> Options...).

To unprotect the destination, click the **Unprotect** button. This will affect the same levels as the Protect operation.

Tool Tip Help

Hovering over a locked/protected destination shows the name of the panel that locked/protected that destination (Figure 41 on page 39).

Figure 41. Tool Tip Help

Sequence Operations

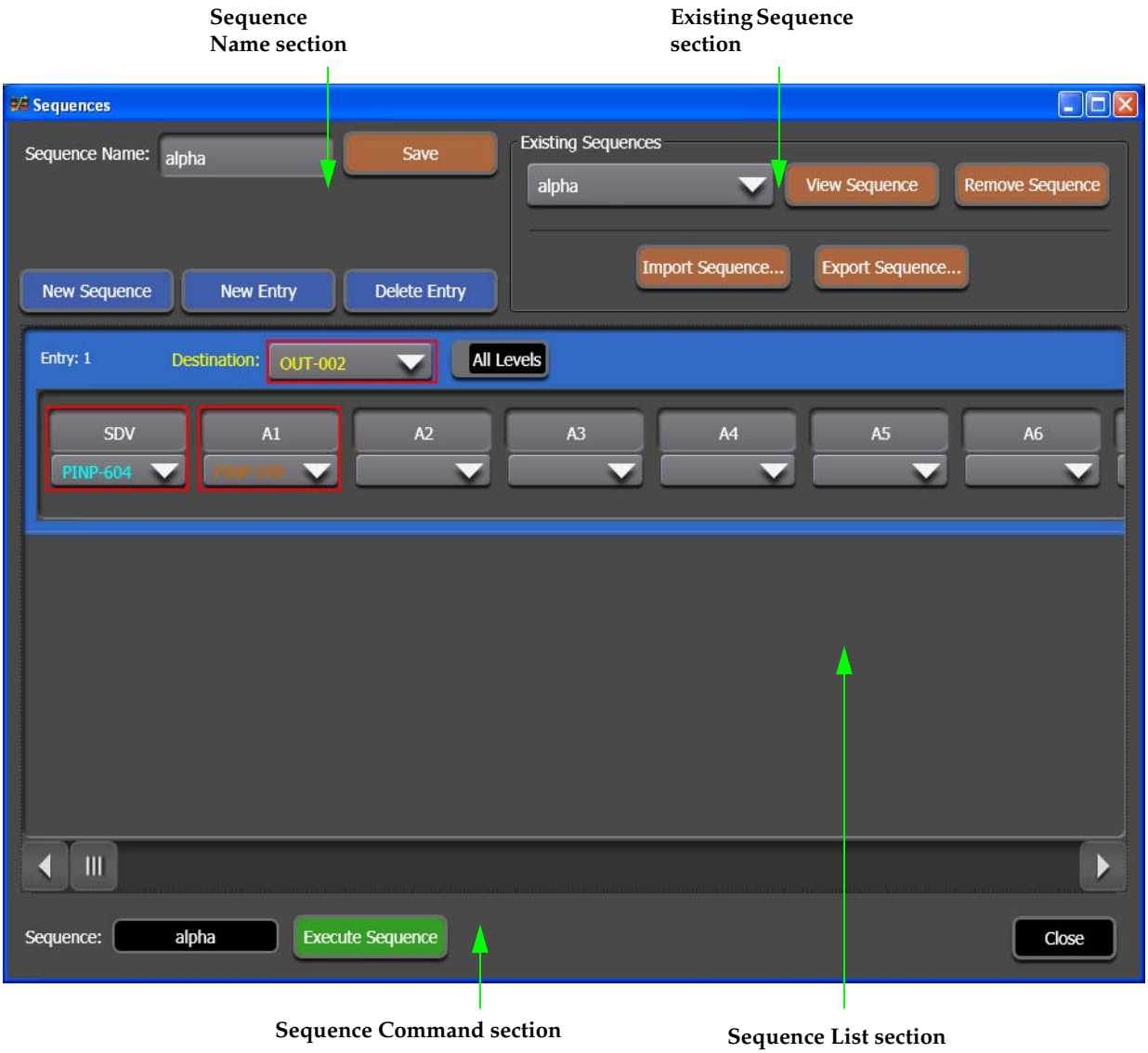
The Multi-Level XY Soft panel can define the sequences (salvos) to be used by that panel, import sequences from other Soft Panels, export sequences for use by other Soft Panels, and execute local or Jupiter system sequences that are assigned to the Soft Panel as a "Sequence Set" in the Jupiter MPK Table.

Local Sequences Screen Descriptions

The Sequence screen can be accessed from the Menu bar by selecting: Sequences> Local Sequences. Each area of the Sequence screen is identified in Figure 42 on page 41.

The definitions for each area are provided below the screen. These definitions will be used throughout the rest of the section.

Figure 42. Local Sequences Screen



Sequence Name

This section contains the buttons for saving, creating a new sequence, creating a new entry, and deleting an entry.

Save - Saves the sequence defined on the screen.

New Sequence - Creates a new sequence to be edited.

New Entry - Adds a new row/entry to the sequence on the screen.

Delete Entry - Removes an entry from the sequence on the screen.

Existing Sequences

This section contains the buttons for working with current sequences.

Existing Sequences drop-down list - Displays any previously created sequence.

View Sequence - Applies the sequence selected from the pull down list to the screen to be viewed or edited.

Remove Sequence - Deletes the selected sequence.

Import Sequence - Allows an exported sequence from another panel to be imported into this panel.

Export Sequence - Allows a panel defined sequence to be exported so another panel can use it.

Sequence List

This section is where the list of sequences will be displayed. Each group of sequences is displayed as numbered entries.

Destination - Contains destinations that can be used for that entry of the sequence.

All Levels - Allows all levels to use the same source, when selected. Each level can use a different source, when the button is not selected.

Level Pull Downs - Selects the source to be switched to the destination on that level.

Sequence Commands

This section contains the buttons for executing the sequences and closing the Soft Panel application.

Sequence field- Displays the name of the current sequence that is currently on the screen.

Execute Sequence - Executes the sequence currently defined on the screen.

Close - Exits the Local Sequences window.

Creating a Local Sequence

A local sequence must be created, or defined, before it can be viewed, executed, or be exported.

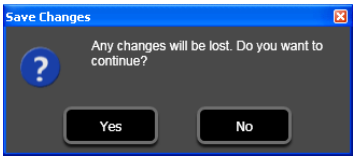
Follow these steps to create a local sequence:

1. Click the **New Sequence** button. The *Save Changes* dialog will then appear, informing you that, "Any changes will be lost, do you want to continue"? (Figure 43 on page 43)

2. Click the **Yes** button.

Note Entries to Local Sequences can also be made by selecting an entry in the Sequence List and then right clicking. The options are “Insert Entry Above” the selected item or to “Insert Entry Below” the selected item.

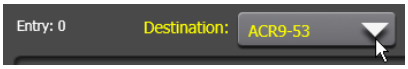
Figure 43. Save Changes Dialog



3. Enter a name to identify the sequence in the *Sequence Name* field.

4. Select the destination from the Destination drop-down list. In the example below, (Figure 44) the destination, ACR9-53 has been selected.

Figure 44. Destination Drop-Down List



5. Select the **All Levels** button if you would like all levels to use the same source. In the example below, (Figure 45) “All Levels” was turned off. The second level can now be selected.

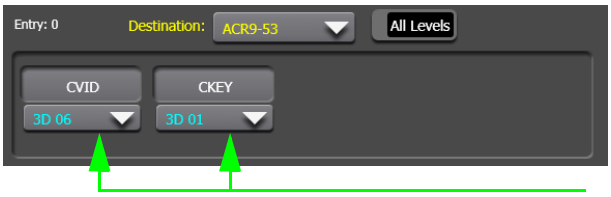
Note All Levels are selected by default. Selecting the **All Levels** button makes each individual level accessible for a breakaway switch in the sequence.

Figure 45. The All Levels Button -Turned Off

6. Select a source for each level.

Note The “white arrow” on the source drop-down list, shows that a source can be selected. If a source cannot be selected the “arrow” will be grayed out. See Figure 46 and Figure 47 on page 44.

Figure 46. Source Selection Options - Can be Selected



Both Levels can be selected

Figure 47. Source Selection Options - Cannot be Selected

7. Click the **Save** button to retain the selected information for future use.
8. Click the **Execute Sequence** button. An *Execute Sequence* dialog will then appear notifying you that, "The sequence has been sent." Click the **OK** button.
9. Click the **Close** button, on the Sequence dialog, if you do not want to execute any more sequences.

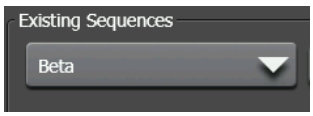
Selecting an Existing Sequence

Once a Sequence (or Salvo) has been created and saved, it can be used again, as needed. The Existing Sequence drop-down list, in the Existing Sequence section, will show all saved sequences.

Follow these steps to select an existing sequence (or Salvo):

1. Select the sequence from the Existing Sequences drop-down list. In the example below, (Figure 48) the "Beta" sequence has been selected.

Figure 48. Existing Sequences Drop-Down List



2. Click the **View Sequence** button. (Figure 49)

Figure 49. Existing Sequences Drop-Down List

The "Beta" sequence's settings will then appear in the Sequence List.

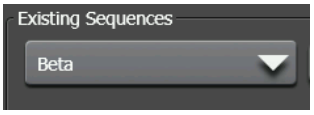
Removing an Existing Sequence

If you feel that you no longer need to keep a sequence, it can be removed from the Existing Sequence drop-down list.

Follow these steps to remove an existing sequence:

1. Select the sequence from the Existing Sequences drop-down list, as shown in Figure 50.

Figure 50. Existing Sequences Drop-Down List

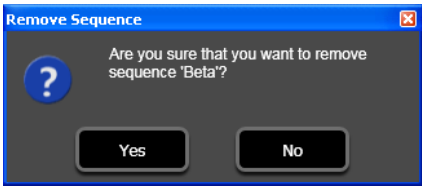


2. Click the **Remove Sequence** button, as shown in Figure 51.

Figure 51. Remove Sequences Button

The *Remove Sequence* dialog will then appear (Figure 52). This dialog will ask if you want to remove the selected sequence. For this example, the selected sequence is "Beta".

Figure 52. Remove Sequence Dialog



3. Click the **Yes** button.

   The "Beta" sequence's settings will then be removed from the Sequence List and the Existing Sequencing drop-down list.

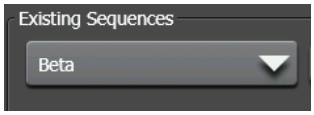
Exporting an Existing Sequence

Existing sequences can be exported to a different location, where they can be used by other Soft Panels.

Follow these steps to export an existing sequence:

1. Select the sequence from the Existing Sequences drop-down list, as shown in Figure 53.

Figure 53. Existing Sequences Drop-Down List



2. Click the **Export Sequences** button, as shown in Figure 54.

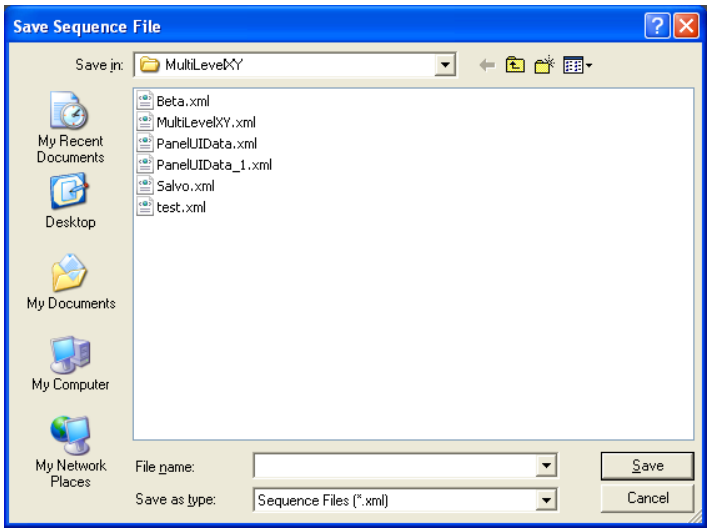
Figure 54. Existing Sequences Drop-Down List

The *Export Sequence* window will then appear as shown in Figure 55.

Figure 55. Export Sequence List

3. Select the sequence that you want to export and then click the **Export** button. For example, in Figure 56 the "Beta" sequence has been selected. The *Save Sequences File* window will then appear.

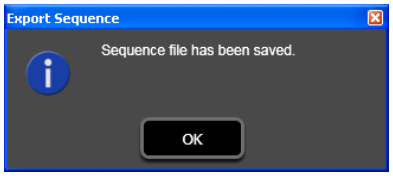
Figure 56. The Save Sequences File Window



4. Navigate to the location where you want to save the sequence.

5. Enter the name of the sequence file in the *File Name* field. Ensure that the Sequence File (*.xml) option is selected in the Save as type field.
6. Click the **Save** button. The *Export Sequence* dialog will then appear (Figure 57 on page 47) informing you that the sequence file was saved.

Figure 57. Existing Sequences Dialog



7. Click the **OK** button to close the dialog. The *Export Sequences* dialog will still be open. Click the **Close** button to close the dialog.

   The sequence has been exported and can now be used by other Soft panels.

Importing an Existing Sequence

Existing sequences can be imported from a different location, where they can then be used by the Soft Panels application. Imported sequences can be edited to better meet your needs.

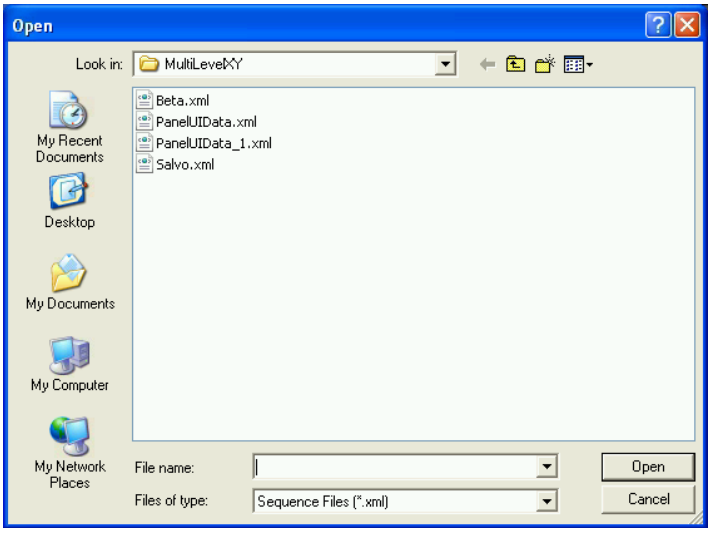
Follow these steps to import an existing sequence:

1. Click the **Import Sequences** button, as shown in Figure 58.

Figure 58. Import Sequences Button

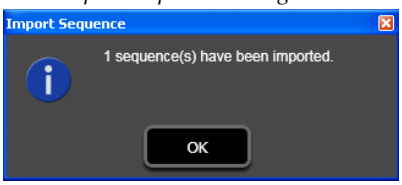
The *Open* window will then appear as shown in Figure 59.

Figure 59. The Open Window



2. Navigate to the location of the sequence that you want to import.
3. Select the sequence file that you want to import.
4. Click the **Open** button. The *Import Sequence* dialog will then appear (Figure 60), informing you the number of sequences that were imported.

Figure 60. The Import Sequence Dialog



5. Click the **OK** button to close the dialog.

   The sequence has been imported and can now be used by the Soft panel application.

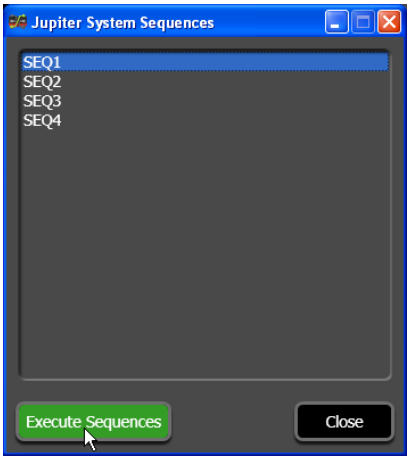
Jupiter System Sequences

The Multi-Level XY Soft Panel allows you to see the Jupiter-system - defined sequences that can be used with this panel.

Follow these steps to use the Jupiter System Sequences:

1. Select Jupiter System Sequences from the Menu bar (Sequences> Jupiter System Sequences). The Jupiter System Sequences dialog will then appear (Figure 61).
2. Select the desired sequence from the list.

Figure 61. Jupiter Defined Sequences List



3. Click the **Execute Sequence** button. The Jupiter-defined sequence will then be implemented.

Section 4

VSD Introduction

Overview

The Visual Status Display (VSD) application shows the current status of the configured connections for a Jupiter Accuswitch controlled system. The VSD application runs on the English version of the Windows XP operating systems. The PC running VSD needs to be connected to the Jupiter network. VSD information is updated automatically. For example, when a Destination's routing information changes, if that Destination is currently displayed, its status will be updated within seconds.

VSD is an option that is registered by entering a license key, obtained from Grass Valley Customer Service. The license key is valid for only a specific PC, and only one VSD instance can run on that PC at a time. An unregistered VSD operates in trial mode, which limits the maximum number of elements supported per View to five.

Views

Large routing systems can have many Destinations and complex paths, making it impossible to see the status of the entire system on a single screen. VSD permits grouping subsets of the system into Views. Different Views can be created to quickly display the current status of various portions of the system. The types of Views available include:

- Destination view
- Source view
- Control Boards view
- Tie Lines view

The Jupiter VSD also allows you to create unlimited Custom views to better meet your business needs. Columns of information, within the custom view, can be hidden and then reveled at a later time.

All columns can be compressed to show only the content or to see all the columns; as well as zoom in or zoom out to your desired view.

The types of information or "fields" that can be displayed are:

- Switcher Output status (any level)
- Switcher Input status (any level)
- Machine control display
- System time and date
- System control board status, either Active or Inactive
- System control board time source
- System control board messages (not supported in AccuSwitch)
- Pathfinding (Tie line) status

Current VSD Limitations

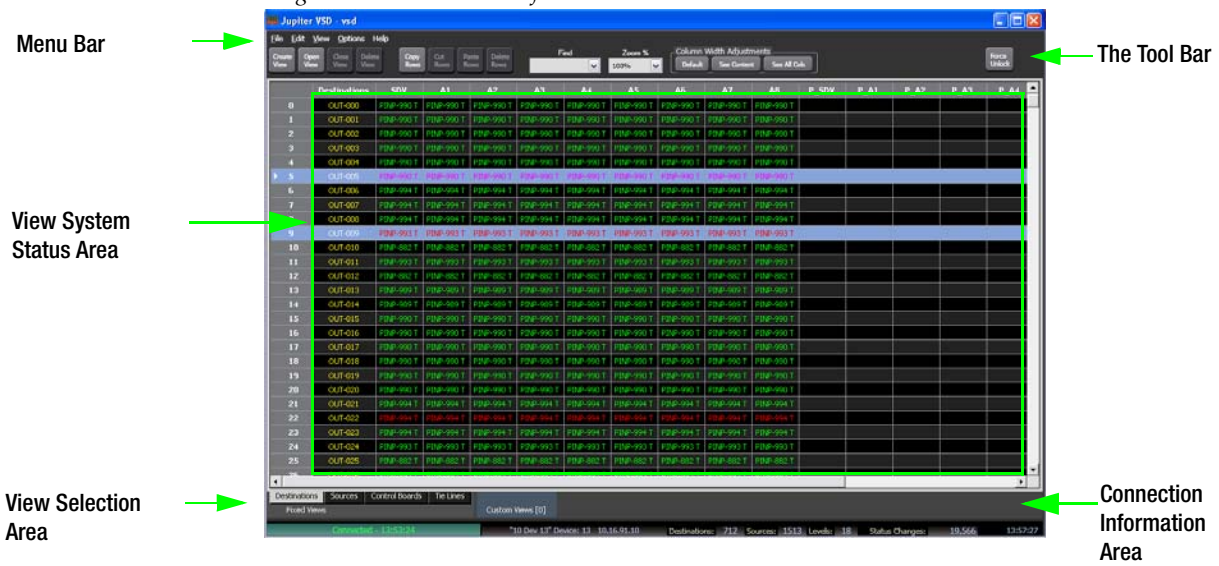
Note The following limitations exist in the standard Views only. Custom views can be created to better meet your needs.

- Elements in a View are automatically sorted by a source or destination index when the View is closed and re-opened. Any previous order that was entered will be lost when the View is closed and re-opened.
- Column elements cannot be manually sorted in ascending or descending order.
- On systems where more than one VSD application is connected, Views that are deleted, modified, or newly created will not be shared by other VSD applications that are running.
    - Closing and restarting the VSD application will synchronize shared information, Views will then be dynamically shared with other connected VSD applications.

VSD Interface

This section describes the features of the main VSD interface and will provide the name of the different areas of the interface. These names will be used throughout the rest of the manual.

Figure 62. The VSD Interface



The Menu Bar

The Menu Bar contains different menus for the application. This Menu bar follows Windows OS standards, with some additional application specific functions.

File

Router Connection: Opens the Router Connection Settings window. This window is where the Setting Name, Device ID, and the IP address of the server that the VSD will connect to.

Router Disconnect: Disconnects VSD from the server.

Router Reconnect: Reconnects to the server using the most recent settings.

System Connections: Provides a list of available connections that have been saved and can be used to connect to a server.

Exit: Closes the VSD application.

Edit

Cut, Copy, Paste: Standard clipboard style editing controls.

Delete: Removes the selected row from the custom view.

View

Create Custom View: Opens a new Custom view window allowing entry of the IP address of the server to which the VSD will connect. A row must be selected for this button to be active.

Open Custom View: Opens the Open Custom View window. Any custom view, that is closed, will be listed in the window.

Close Current View: Closes the view that is currently being shown.

Delete Current View: Removes the existing View.

Tools

Change/ Set Password: Opens the Password dialog.

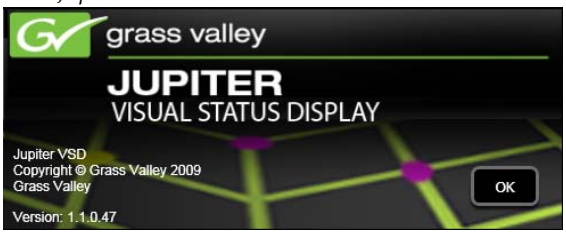
Tie Line Clearing Editor: Opens the Tie Line Clearing Editor.

Options: Opens the Options window allowing changes to VSD settings.

Help

About Jupiter VSD: Opens the About Jupiter Visual Status Display screen. This screen displays information about the Jupiter VSD including the Version number. An example of the About screen is shown below in Figure 63.

Figure 63. The Jupiter VSD About Screen



The Tool Bar

The Tool bar is a group of tools that you will use most often.

View Buttons

Create View: Opens a new Custom view window allowing entry of the IP address of the server to which the VSD will connect. A row must be selected for this button to be active.

Open View: Opens the Open Custom View window. Any custom view, that is closed, will be listed in the window.

Close View: Closes the view that is currently being shown.

Clipboard Buttons

Copy Rows: Copies the contents of the selected rows.

Cut Rows: Cuts the contents of the selected rows.

Paste: Pastes the contents of the selected rows.

Delete Rows: Deletes the contents of the selected rows.

Search Field

You can search for specific, Destinations, Sources, Groups and so forth by entering the item to search for in the *Search* field.

Zoom% Field

You can allow change the display size, by zooming in or out, so the VSD can be read from varying distances.

Column Width Adjustments

Default: Removes any adjustments to the column widths.

See Content: Expands the columns so all the data can be seen.

See All Cols: Contracts the columns so all the columns can be seen.

Force Unlock Button

The VSD can force unlock any destination regardless of what panel locked or protected it. In order for Force Unlock to be enabled, the VSD must be defined with a password of 90 – 99 in MPK Devices table of the Jupiter Editor. The **Force Unlock** button will only be enabled if the password is high enough and a locked/protected cell is selected.

Note If AccuSwitch or Jupiter locks or protects a Destination on a 3rd party router that is shared with another control system, there is the possibility that after a pmemClear command occurs on the AccuSwitch/Jupiter Control system that the destination will report as being locked or protected by the 3rd party's control system. This Destination will have to be Force unlocked by an AccuSwitch/Jupiter Control system with Force Unlock privileges to regain control of the Destination.

The View System Status Area

The View System Status area contains the information for the different fixed views. The information that is displayed will change depending on what View is selected. The different views are listed below in the View Selection Area section.

The View Selection Area

The View Selection area contains the different fixed views and will list the Custom view that is being used. The number of custom views available is also displayed. The fixed view's definitions are provided below.

Destinations view: Displays the destination's or "output" categories, the lock and protected status and the Levels for each destination. For more information, see the *Destinations View* section.

Sources view: Displays the input categories and level statuses that have been configured for the selected router. The Lock and Protected status is shown on the page by color. For more information, see the *Sources View* section.

Control Boards view: Displays the name, type, status, uptime, IP address and the MAC address for all configured control boards.

Tie Line view: Displays the group number, the Tie line number, the source, the status, the number of destinations, the source router, and the destination router.

Custom views: Displays the name of the custom view that is being used and the number of custom views that are available.

The Connection Information Area

The Connection Information area contains the information about the router to which the VSD is connected and the status of the VSD. The connection's definitions are provided below.

Connection Status: Displays the status of the connection between the VSD and the router.

Connection Settings: Displays the Setting's name, IP address and the Device ID the VSD is using to connect to the router.

Destinations: Displays the number of destination between the VSD and the router.

Sources: Displays the number of sources between the VSD and the router.

Levels: Displays the number of levels between the VSD and the router.

Status Changes: Displays the number of changes that have occurred and displays the current time for the PC on which the VSD is installed.

Interface Views

This section describes the features of the different VSD interface Views. There are four fixed views: Destinations, Sources, Control Boards, and Tie Lines. Each Fixed view is described below.

Destinations View

The Destination view displays the output categories and level statuses that have been configured for the selected router. The actual column headings and rows will depend on your router-configuration settings. The Lock and Protected status is shown on the page by color. Holding your mouse over a locked/protected destination will show the name of the panel that locked/protected that destination.

Figure 64. The Destinations View

Sources View

The Sources view displays the input categories for specific Destinations. A single Source can be routed to multiple Destinations. All the Destinations that a Source is routed to, and the status of that Source, are automatically displayed in this view. The actual column headings and rows will depend on your router-configuration settings. The sources that are Locked and Protected are identified on the page by color. See the *Use of Color* section for more information.

Figure 65. The Sources View

Control Boards View

The Control Boards view will obtain and the display the data from communicating with an AccuSwitch board. The definition for each column heading is provided below.

Figure 66. The Control Boards View

Column Headings

Control board: The control board is the name that is given a CM by the user

Board Type: The board type is the kind of controller that is being monitored.

Status: The status is the current state of the board. For example, the status can be *Active* or *Back-up*.

Uptime: The uptime is the amount of time that has passed since the board was last restarted.

IP Address: The IP Address is the Internet Protocol address or the Ethernet address for the Control board. The IP address is displayed in dot notation. For example, 10.16.4.5.

MAC Address: The Media Access Control address for the Control board.

Tie Lines View

The Tie Lines view will show the tie lines or the connections between routers that are assigned to a specific page and their status. The definition for each column heading is provided below.

Figure 67. The Tie Line View

	Tie Lines	Tie Line #	Source	Status	# Dest	Destinations	From Router (Level)	To Router (Level)
1	Group 00	0000	SRC-000	NORMAL	3	POUT-000, POUT-010, POUT-020	DEFAULT (SDV)	PATH (P_SDV)
2	Group 00	0001	SRC-001	NORMAL	3	POUT-001, POUT-011, POUT-021	DEFAULT (SDV)	PATH (P_SDV)
3	Group 00	0002	SRC-002	NORMAL	3	POUT-002, POUT-012, POUT-022	DEFAULT (SDV)	PATH (P_SDV)
4	Group 00	0003	SRC-003	NORMAL	3	POUT-003, POUT-013, POUT-023	DEFAULT (SDV)	PATH (P_SDV)
5	Group 00	0004	SRC-004	NORMAL	3	POUT-004, POUT-014, POUT-024	DEFAULT (SDV)	PATH (P_SDV)
6	Group 00	0005	SRC-005	NORMAL	2	POUT-005, POUT-015	DEFAULT (SDV)	PATH (P_SDV)
7	Group 00	0006	SRC-006	NORMAL	2	POUT-006, POUT-016	DEFAULT (SDV)	PATH (P_SDV)
8	Group 00	0007	SRC-007	NORMAL	2	POUT-007, POUT-017	DEFAULT (SDV)	PATH (P_SDV)
9	Group 00	0008	SRC-008	NORMAL	2	POUT-008, POUT-018	DEFAULT (SDV)	PATH (P_SDV)
10	Group 00	0009	SRC-009	NORMAL	2	POUT-009, POUT-019	DEFAULT (SDV)	PATH (P_SDV)
11	Group 01	0000	SRC-000	NORMAL	3	POUT-000, POUT-010, POUT-020	DEFAULT (A1)	PATH (P_A1)
12	Group 01	0001	SRC-001	NORMAL	3	POUT-001, POUT-011, POUT-021	DEFAULT (A1)	PATH (P_A1)
13	Group 01	0002	SRC-002	NORMAL	3	POUT-002, POUT-012, POUT-022	DEFAULT (A1)	PATH (P_A1)
14	Group 01	0003	SRC-003	NORMAL	3	POUT-003, POUT-013, POUT-023	DEFAULT (A1)	PATH (P_A1)
15	Group 01	0004	SRC-004	NORMAL	3	POUT-004, POUT-014, POUT-024	DEFAULT (A1)	PATH (P_A1)
16	Group 01	0005	SRC-005	NORMAL	2	POUT-005, POUT-015	DEFAULT (A1)	PATH (P_A1)
17	Group 01	0006	SRC-006	NORMAL	2	POUT-006, POUT-016	DEFAULT (A1)	PATH (P_A1)
18	Group 01	0007	SRC-007	NORMAL	2	POUT-007, POUT-017	DEFAULT (A1)	PATH (P_A1)
19	Group 01	0008	SRC-008	NORMAL	2	POUT-008, POUT-018	DEFAULT (A1)	PATH (P_A1)
20	Group 01	0009	SRC-009	NORMAL	2	POUT-009, POUT-019	DEFAULT (A1)	PATH (P_A1)
21	Group 02	0000	SRC-000	NORMAL	3	POUT-000, POUT-010, POUT-020	DEFAULT (A2)	PATH (P_A2)
22	Group 02	0001	SRC-001	NORMAL	3	POUT-001, POUT-011, POUT-021	DEFAULT (A2)	PATH (P_A2)
23	Group 02	0002	SRC-002	NORMAL	3	POUT-002, POUT-012, POUT-022	DEFAULT (A2)	PATH (P_A2)

Column Heading

Tie Lines: The Tie Lines column displays a group of connections.

Tie Lines #: The Tie Lines # column displays the individual connections that are part of the group of connections.

Source: The source column displays the input source's mnemonic for the connection.

Status: The Status column displays the condition of the connection. Possible status categories are: Normal, Protected, Locked, and Prioritized.

 # Dest: The # Dest column displays how many destinations that are assigned to the connection.

Destination: The Destination column displays the assigned destination source's mnemonics for the connection.

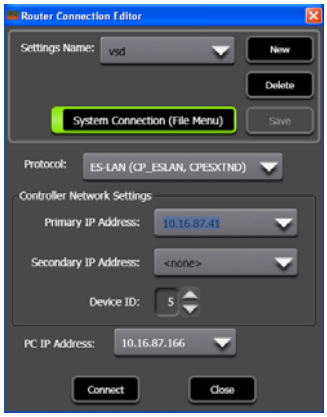
From Router (Level): The From Router (Level) column displays the name of the router and the specific card that the connection will come from.

To Router (Level): The To Router (Level) column displays the name of the router and the specific card to which the connection will be sent.

The Router Connection Settings Window

The Router Connection Settings window, which is shown in Figure 68, is accessed from the File menu. The features of this window are explained below.

Figure 68. VSD Router Connection Settings Window



Clear Selected Tie Lines button: The Tie Line view will be updated and the selected Tie lines will be cleared.

Section Headings

Setting Name: The Settings drop-down list will display the available file names. This list is where you can add a new Setting name. Clicking the **New** button creates a new set of settings. Clicking the **Delete** button will remove the displayed settings. Clicking the **Save** button saves the settings.

Note The maximum length of a Settings name is 16 characters.

System Connection (file Menu) button: Enables the System Connections option to the File menu. Selecting the System Connection (file menu) option

will add this connection to the System Connections option in the file menu. The System Connections option is only enabled when there are connections that are associated with the System Connection (file menu) option set.

Protocol: The only protocol option is ES LAN.

ES LAN Settings: The ES LAN setting contains the information needed to connect to the Jupiter network. This information is the Main and backup IP Addresses and the Device ID.

PC IP Address: The *PC IP Address* field displays the IP address for the PCs NIC card. Multiple NIC cards can be selected from the drop-down list.

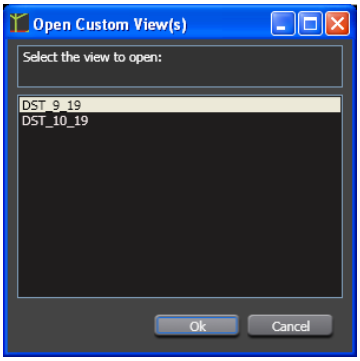
Connect button: The **Connect** button will apply the current settings and will then connect to the provided network, when the **Connect** button is clicked.

Cancel button: The **Cancel** button will close the Router connections without connecting to the network.

The Open Custom View Window

The Open Custom View window, which is shown in Figure 69, is accessed from the View menu. It is used to open the custom views that have been created and saved.

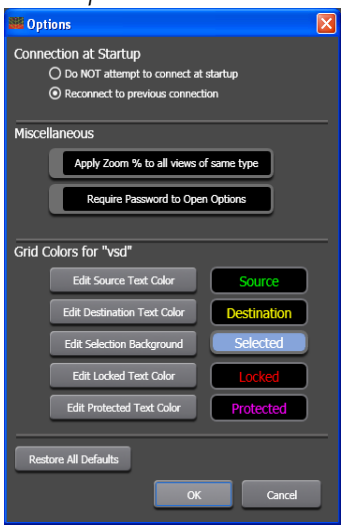
Figure 69. Open Custom View Window



The Options Window

The Options window, shown in Figure 70, is accessed through the Options menu. The features of this window are explained below.

Figure 70. Options Window



Section Headings

Connection at Startup: Provides options for how the VSD application will connect when it is started.

- ***Do NOT attempt to connect at startup***: The VSD application will not connect to the control panel when it is started.
- ***Attempt the last successful connection***: The VSD application will connect to the last control panel it was connected to when it is started.

Miscellaneous: Provides various VSD options.

- ***Apply Zoom% to all views of the same type***: Applies the zoom percentage to all views.
- ***Require Password to Open Options***: Turning on this feature will require a password to open the Options dialog.

Grid Colors: Provides a way to change how the following will be displayed: Source Text color, Destination Text color, Selection background, Locked Text color, and Protected Text color. Clicking the **Edit** button for any of the above mentioned options will open the Color dialog.

Buttons

Restore All Defaults button: Provides a way to return to the original display options.

OK button: Provides a way to save and apply changes, then closes the Options window.

Cancel button: Provides a way to close the Options window without saving changes.

Use of Color

The VSD uses color to indicate the following functionality:

Table 6. Colors and Functionality

Button Color	Function
Green	Sources
Yellow	Destinations
Red	Lock status
Magenta	Protect status
Blue	Pathfinding (tie lines)
Gray	Duplicate destinations

The VSD will also show the CM status using the following colors:

Table 7. Color and Function for Menus

Menu Color	Function
Green	Primary boards
Cyan	Redundant boards

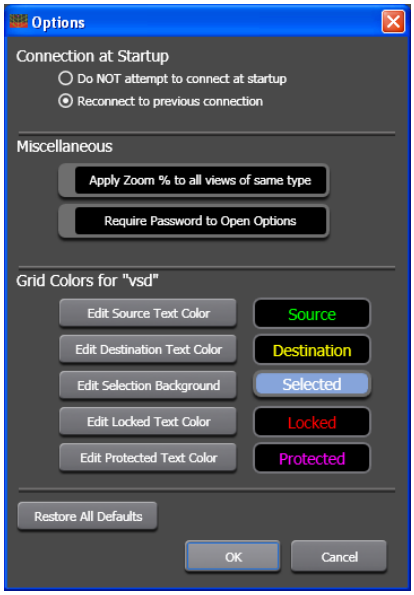
Requiring a Password to Change Settings on the Options Dialog

You can limit the ability to change the settings on the Options dialog by requiring a password to make changes.

Note This required password is the one that is set for the entire control panel (Tools> Change/Set Password..). Follow these steps to make a password required:

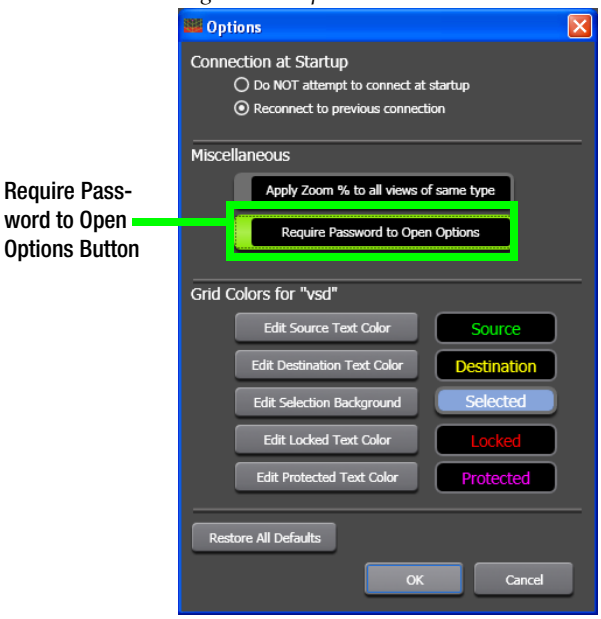
1. Select Tools> Options... from the Menu bar. The Options screen will then appear (Figure 71).

Figure 71. Options Screen



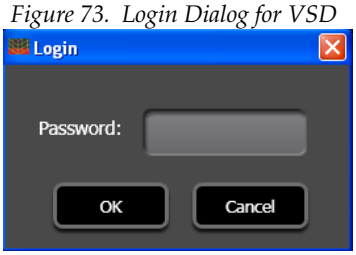
2. Click the **Require Password to Open Options** button; the button will now be highlighted (Figure 72 on page 66).

Figure 72. Options Screen



A password must now be entered into the Login dialog to open the Options dialog (Figure 73).

Figure 73. Login Dialog for VSD



This required password is the one that was set for the entire control panel.

Hot Keys

There are a number of special “Hot” keys to help quickly navigate around each view's table. The Hot keys table identifies these keys and their function.

Table 8. Hot Keys and Functionality

Hot Key	Function
Home	Goes to first cell of current row.
Ctrl+End	Goes to the last cell of table.
Ctrl+Home	Goes to first cell of table.
Page Up	Goes to first cell of the page.
Page Down	Goes to last cell of the page.
End + “Arrow keys”	If the current cell is empty, the cursor will jump to the first cell in direction of the arrow (Up, Down, Left, and Right) from the current that is not empty or to the last cell if all are empty. If current cell is not empty, the cursor will jump to the last cell in direction of the arrow from the current that is not empty or to the last cell if all are empty.

The VSD will also show the CM status using the following

Section 5

VSD Installation

Distribution

The Visual Status Display (VSD) application is included on the Jupiter and Compact Router Control System software CDs; it is also available for download from the Grass Valley Support web site.

Requirements

PC Display Requirements

For proper display of VSD screens, the following settings are required:

- A minimum resolution 1280 X 1024 and 32 -bit color PC monitor setting is recommended.
- At least 13MB of PC hard disk space is required for each VSD application.
- The Settings/Control Panels/Display Properties/Appearance font size should be set to Normal. Selecting Large or Extra Large Fonts will cause display problems.

.NET Software Requirements

The PC running a VSD requires Microsoft.NET Framework software. NET Framework 3.5 can be installed on the English versions of any of the following operating systems:

- Microsoft Windows 2003 Server Service Pack 1 (SP1)
- Windows XP SP2.

Table 9. System Requirements for Installing .NET Framework 3.0

Processor	Minimum	400 megahertz (MHz) Pentium processor
	Recommended:	1 gigahertz (GHz) Pentium processor
RAM:	Minimum:	96 megabytes (MB)
	Recommended:	256 MB
Hard Disk	Up to 500 MB of available space may be required.	
Installation Drive	The .NET Framework 3.5 default installation location is the PC's system drive (the drive that boots your system). Ensure at least 500 MB is available on the system drive.	

Installing VSD Using the VSD Installer

The following instructions show the steps needed to install the Visual Status Display (VSD) application. The PC, which the VSD application is installed on, must have network settings that allow communication with the Jupiter or Prelude network. Consult with your Network administrator for this information.

Follow these steps to begin installing the VSD application:

1. Insert the supplied software CDROM into the computer's CD Drive and follow the prompts.

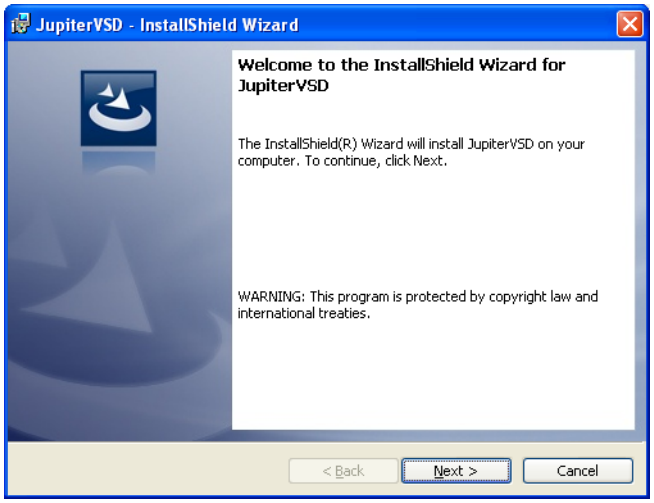
Note The CD should automatically start the installation process. If not, browse to the CD, using Window Explorer, and then click the **setup.exe** icon.

- If Microsoft .NET Framework was not installed earlier, you may see a message asking if you want to install Microsoft .NET Framework. If so, select "Yes." The 3.5 version of .NET is located on the CD. Depending on the OS version, the system may reboot automatically during this process.

Note After an auto reboot, it may take several minutes for the system to display the VSD installation welcome screen.

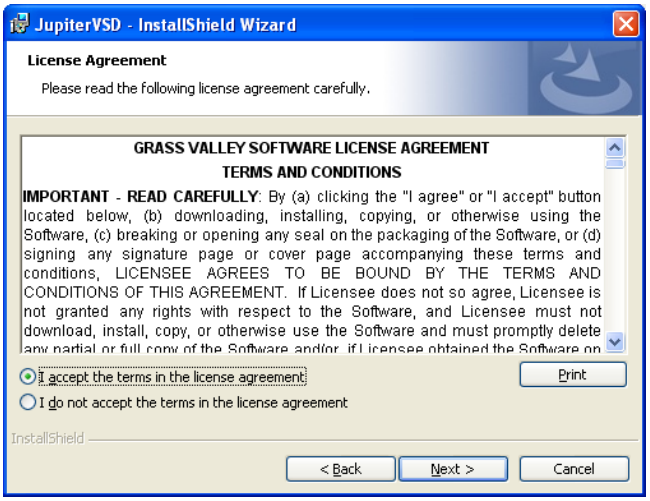
The Jupiter VSD Welcome screen will then appear (Figure 74).

Figure 74. Jupiter VSD Installer Welcome Screen



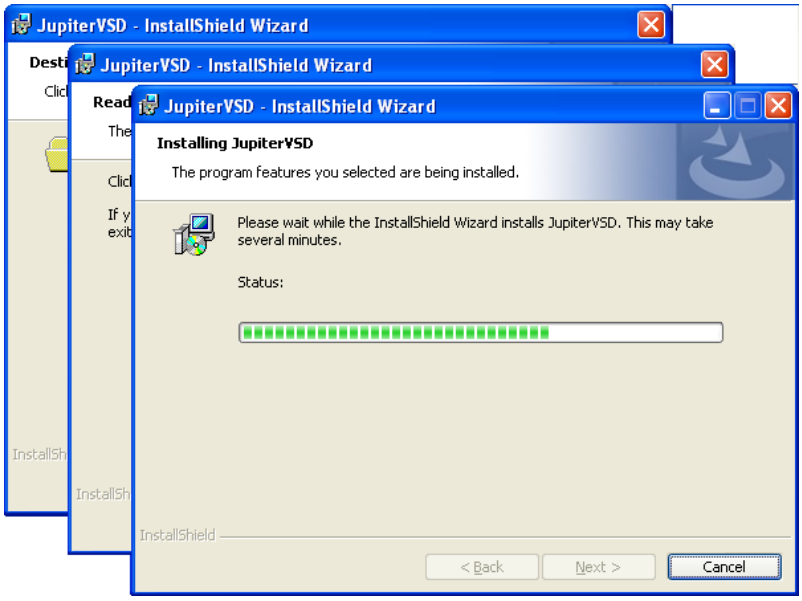
2. Click the **Next>** button to begin the installation process. The License Agreement screen will then appear (Figure 75).

Figure 75. Jupiter VSD Installer License Agreement Screen



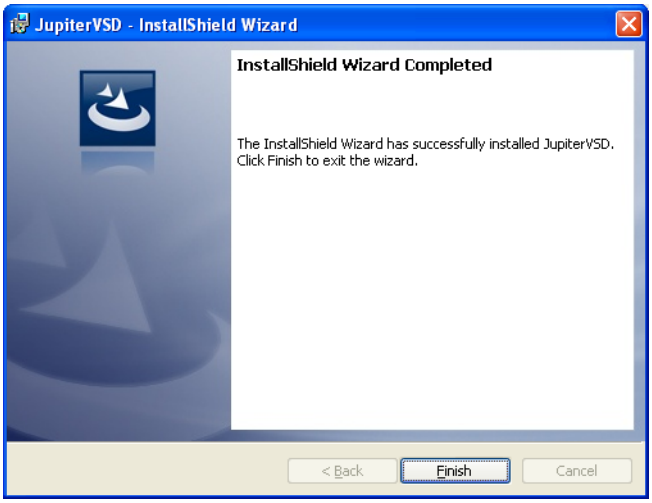
3. Click the **I accept the terms in the License agreement** radio button.
4. Click the **Next>** button to begin the installation process.
5. Follow the instructions on the following installation screens, click the **Next>** button as needed (Figure 76).

Figure 76. Jupiter VSD Installation Screens



6. The Installed Wizard Completed screen will appear when the installation process is finished (Figure 77).

Figure 77. Installation Completed Screen



7. Click the **Finish** button. The Installation application will then close.

Jupiter VSD Desktop Icon

As part of the installation process a shortcut for the Jupiter VSD will be displayed on your PC's desktop (Figure 78). Clicking this shortcut will launch the installed soft panel. The Jupiter VSD must be configured to meet your needs

Note See the *Configuration Process* section below for the configuration steps.

Figure 78. The Jupiter VSD Shortcut Example

Note The Jupiter VSD application will need to be configured with your Jupiter AccuSwitch system before it will become operational (see *Configuration Process* *on page 77*).

Uninstall Process

Removing the VSD

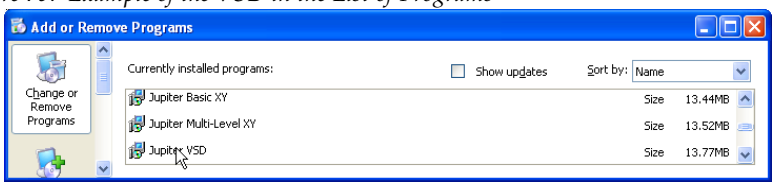
The Jupiter VSD application can be removed using the Add Remove Program feature (Control Panels> Add or Remove Programs) or the Installation program that was used to install the VSD.

Using the Add Remove Program Feature

Follow these steps to remove the VSD from your computer:

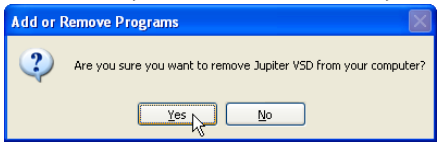
1. Start the Add Remove Program feature (Control Panels> Add or Remove Programs).
2. Select the VSD from the list of programs (Figure 79).

Figure 79. Example of the VSD in the List of Programs



3. Click the **Remove** button. The Add or Remove Programs dialog will then appear (Figure 80).

Figure 80. The Jupiter VSD Shortcut Example



4. Click the **Yes** button.

   The application will then be removed.

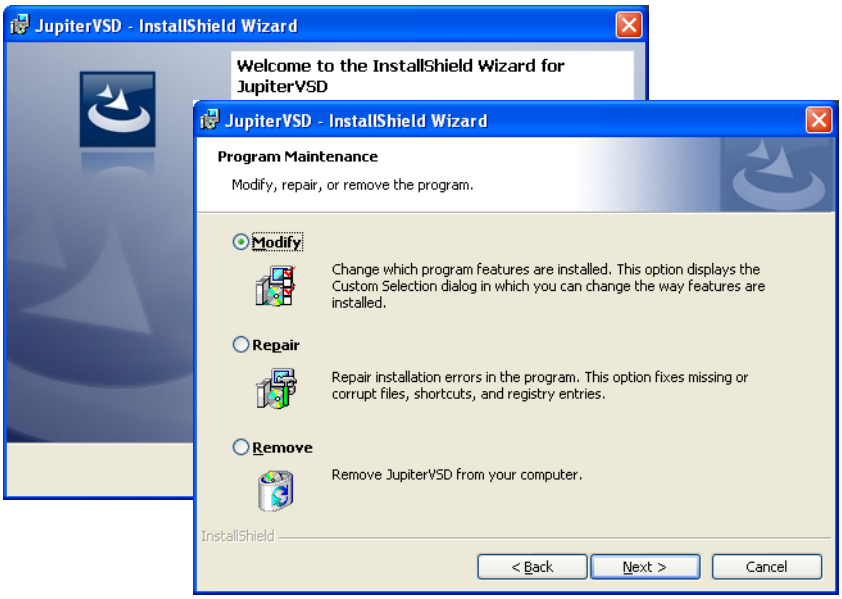
Using the Installation program

If the VSD application already exists on the PC when the installation program is run, the Program Maintenance screen displays a Modify, Repair, and Remove message (Figure 81). Clicking **Next>** allows you to make changes to the VSD installation.

Follow these steps to remove the VSD from your computer:

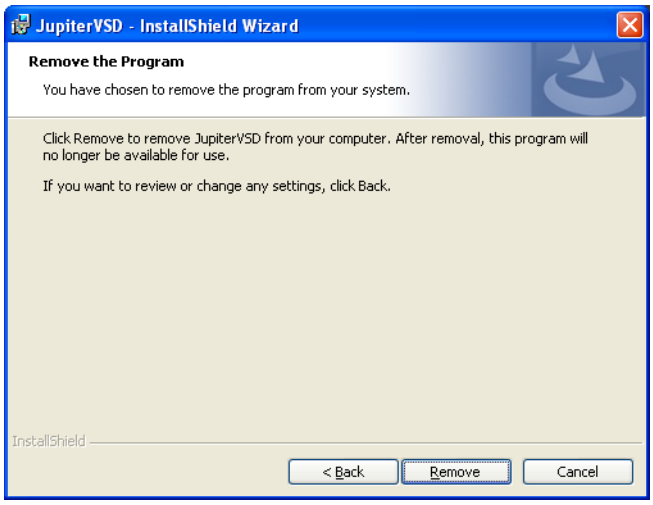
1. Select the **Remove** Radio button.

Figure 81. Installation Modify, Repair, and Remove Screen



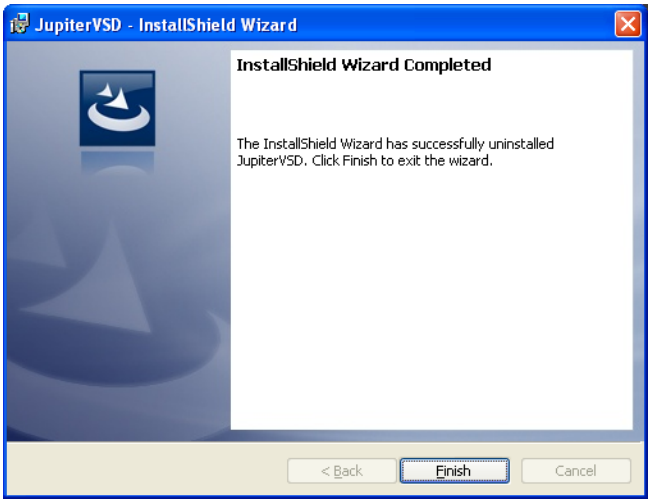
1. Click the **Next** button to make changes to the VSD installation. The Remove the Program screen will then appear.

Figure 82. Remove the Program Screen



2. Click the **Remove** button. When the application is removed, the InstallShield Wizard Completed screen will then appear.

Figure 83. Remove the Program Screen



3. Click the **Finish** button. The InstallShield Wizard Completed screen will then close.

Configuration Process

VSD PC IP Settings

The PC on which the Jupiter Visual Status Display (VSD) application is installed, must have network settings that allow communication with the Jupiter AccuSwitch Controller. Consult with your Network administrator for this information.

Connecting to the Network

The Soft panel and VSD connect to the Network using one of two ports. These ports are:

- Port 420
- A port number that is the Device ID added to 50000. For example, if the Device ID is 21, the port number would be 50021.

Note If the GUI panel is behind a firewall, the ports listed above will need to be opened for the Soft panel and VSD to communicate with the AccuSwitch Control module.

VSD Application Settings

During the following steps, you will need to know the IP address of the primary AccuSwitch Controller (and the secondary, if it is installed) that will be associated with the VSD. Use the Jupiter File Server JNS Control Center application "Board Info" tab to determine the AccuSwitch Controller IP address (the Control Center application is described in the *Jupiter CM-4000 Installation and Operating* manual).

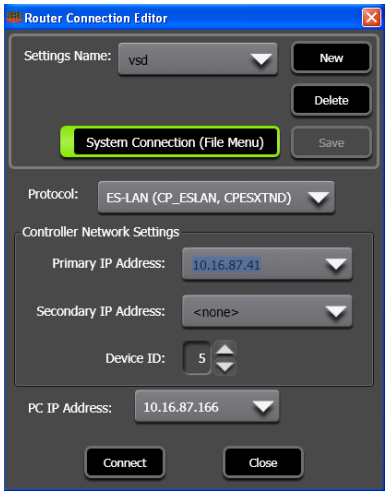
1. Launch the VSD application. The main VSD screen (shown in Figure 84 on page 78) will open and the Router Connection Settings dialog will then be displayed.

Figure 84. VSD Startup Display Example

- If the Router Connection Settings dialog is not open, select Router Connection from the File menu (File> Router Connection). The Router Connection Settings dialog will then appear.

Note Currently, the only selectable option for the Protocol list is ES-LAN.

Figure 85. Router Connection Settings Dialog



2. Enter a name for the settings for the router associated with this VSD in the *Settings Name* field.

Note The maximum length allowed for a Settings name is 16 characters.

3. Click the **System Connection (file Menu)** button to add the System Connections option to the File menu. This menu option provides a list of available connections that have been saved and can be used to connect to a server.
4. Select the preferred Protocol from the drop-down list. ES-LAN is the only available option.
5. Enter the IP address of the AccuSwitch Controller associated with this VSD in the *Primary IP Address* field.
6. Enter the IP address of the secondary AccuSwitch Controller (if applicable) in the *Secondary IP Address* field.
7. Select a number between 1 and 64 for the *Device ID* field. This number must be unique for panels associated with the same AccuSwitch Controller. The Device ID is also entered on the MPK Devices table, which is described in *MPK Table Entries* *on page 18*.

Note The Device ID number selected in the Device ID field corresponds to the MPK table Address entry that uses two digit leading-zero numbers (01-09).

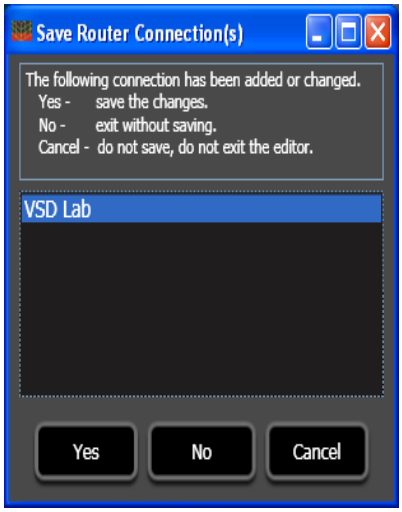
8. Select the IP address, if it is not already selected, from the PC IP Address drop-down list.
9. Select the **Connect** button.

Clicking the Close Button Without Saving the Settings

The Save Network Connection(s) dialog (Figure 86 on page 80)will appear if a new connection has been created or changes have been made to an existing connection and the **Close** button is clicked before the connection settings have been saved.

The Save Network Connection(s) dialog will prompt you to save the changes.

Figure 86. The Save Network Connections) Dialog



- Click the **Yes** button to save the changes.
- Click the **No** button to close the Save Router Connection(s) dialog and the Router Connection Editor dialog without saving the changes. You will no longer be prompted to save changes when you exit the program.
- Click the **Cancel** button to close the Save Network Connection(s) dialog and return to the Router Connection Editor dialog. However, no changes will be saved.

Clicking the Connect Button Without Saving the Settings

The application will attempt to reconnect using the new or changed connection settings if you click the **Connect** button on the Router Connection Editor dialog. These settings are temporary and will be lost if the application is closed and the setting changes were not saved.

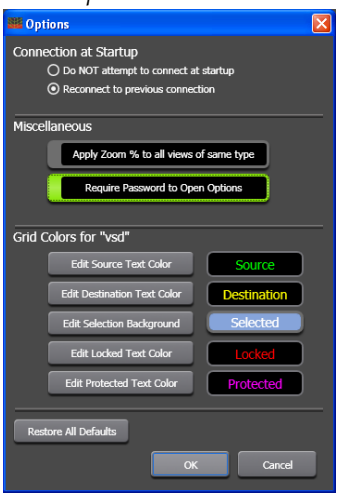
User Preferences

The colors, the connection settings, and the size of the spreadsheet display settings used on the VSD screen can be changed, if desired.

Follow these steps to set or change the preferences:

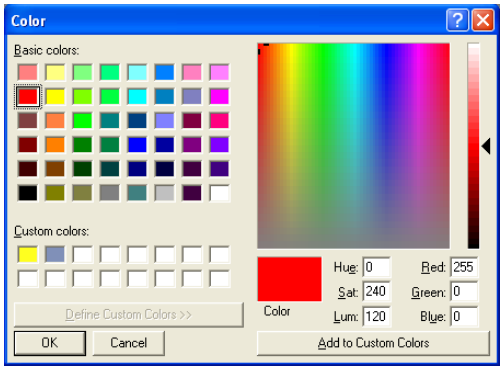
1. Go to “Options> Options”. The Options window will then appear (Figure 87).

Figure 87. Options Window



2. Clicking any button in the *Grid Colors* section opens the Color window (Figure 88).

Figure 88. Options Color Selection Screen



Section 6

VSD Procedures

VSD Procedures

This section describes the procedures or actions that you will use to check the status of the Jupiter system.

Creating a View

You can create custom views where you can easily see the settings that you wish to monitor. The custom view will allow you to see a router's status using different Levels, Outputs, or Groups. These steps are the same for creating either the Destination view or the Sources view.

Follow these steps to create a view:

1. Highlight the rows that you want to add to the custom view.
2. Click the **Create View** button or select the *Create Custom View* option from the View... menu. The custom view will then be created, with the name of the range of rows. For example, DST_10_19 would be used for the Destinations rows 10 - 19.
3. The rows that you copied will be in the view. The title for the first data column will added after the type of rows have been copied. For example, "Destinations" or "Sources," Figure 89 on page 84 shows Destination examples.

Figure 89. Custom View

Three buttons can now be seen. These buttons are, **Hide Mode**, **Unhide Cols**, and **Hide Cols**. These buttons add to the ability to customize a view by hiding selected columns. Only columns can be hidden. For more information see the *Using the Hide Mode* *on page 87* section

Closing a View

You can close a custom view by clicking the **Close View** button or selecting the *Close Custom View* option from the View menu (View> Close Current View).

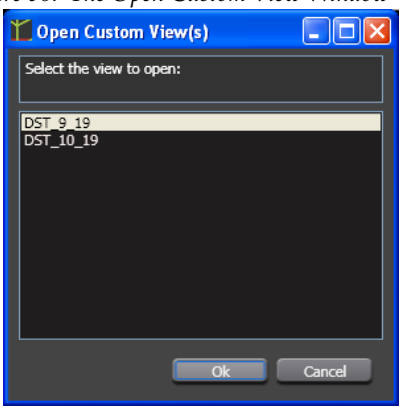
Opening a View

You can open a custom view if it has been closed.

Follow these steps to open a view:

1. Click the **Open View** button or select the *Open Custom View. . .* option from the View menu (View> Open Custom View. . .). The Open Custom View window will then appear.

Figure 90. The Open Custom View Window



2. Select the view you want to open.
3. Click the **Ok** button. The view you selected will then appear.

Copying and Pasting a Row

You can add information to an existing Custom view using the Copy and Paste features.

Follow these steps to Copy and Paste information:

1. Highlight the rows that you want to add to the custom view (Figure 91).
2. Click the **Copy Rows** button.

Figure 91. Copied Row

3. Open the view that you want to past the row into.
4. Highlight the row that you want to paste the information into.
5. Click the **Paste** button (Figure 92).

Figure 92. Pasting the Row

6. The rows that you copied and pasted will then be in the view.

   Rows can also be cut from a custom view and pasted into another view using the above described steps.

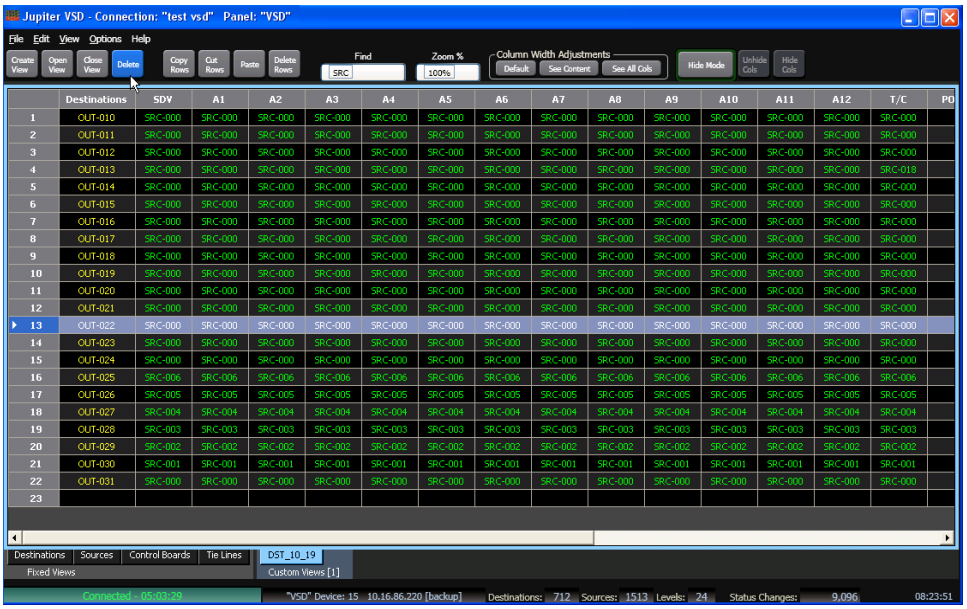
Deleting a Row

You can delete rows from an existing view.

Follow these steps to delete a row:

1. Highlight the rows that you want to delete.
2. Click the **Delete** button (Figure 93 on page 87).

Figure 93. Deleting the Row



3. The row or rows you selected will then be deleted from the view.

Using the Search Field

You can search for information or text by entering that information into the *Find* field.

Follow these steps to use the search feature:

1. Enter the text that you want to search for into the *Find* field.
2. Press the **F3** key on your keyboard. The VSD application will then attempt to find the first occurrence of the text shown in the *Find* field (Figure 94 on page 88).

Using the Hide Mode

You can hide columns to help see the information that you need to see.

Follow these steps to use the Hide Mode:

1. Click the **Hide Mode** button.
2. Select the columns that you want to hide.
3. Click the **Hide Cols** button (Figure 94 on page 88).

Figure 94. The Hide Mode Feature

Note The first column (column 0), the “destinations” column in Figure 94 cannot be hidden or selected.

Adjusting the Column Width

You can adjust the column widths, which will help you to see all the information that you need. You can adjust a single column, Adjust the column to see the content of the view, or adjust the column to see all columns within the view.

Adjusting a Single Column

Follow these steps to adjust a single column:

1. Highlight the column that you want to adjust.
2. Place the cursor by a column heading, until the cursor changes into a double-arrow.
3. Drag the edge of the columns to the width that you desire (Figure 95 on page 89).

Figure 95. The Hide Mode Feature

The column's width will be changed.

Seeing All the Columns

Follow these steps to see all the columns:

1. Click the **See All Cols** button (Figure 96).
2. All the columns will then be visible.

Figure 96. The "See All Cols" Feature

Seeing All of the Content

Follow these steps to see all of the content:

1. Click the **See Content** button (Figure 97).
2. All the content will then be visible.

Figure 97. The "See Content" Feature

Changing the Zoom Percentage

You can change the display size so that the status can be read from different distances by modifying the zoom percentage.

Follow these steps to change the "Zoom" percentage:

1. Select the *Zoom%* field.
2. Click within the *Zoom%* field and select the desired percentage. In the example that is shown in Figure 98 on page 91, the *200%* option was selected.

Figure 98. Zoom% at 200

The view is then set to the desired percent.

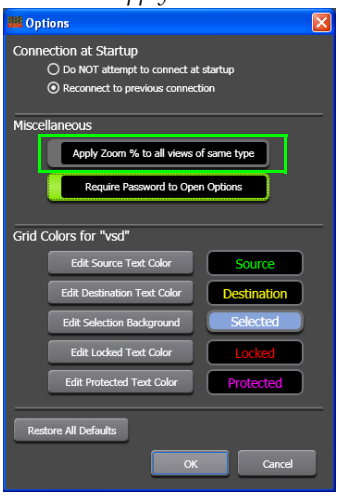
Setting the Zoom% to all Views of the Same Type

You can apply the Zoom percentage to all of the views that are same type.

Follow these steps to apply the Zoom percentage to all of the views:

1. Open the *Options dialog* in the Options menu (Menu bar: Options> Options). The Options dialog will then appear.
2. Click the "**Apply Zoom% to all views of same type**" button (Figure 99).

Figure 99. The Apply Zoom% To All Views Of Same Type Button



3. Click the **OK** button.

The Zoom percentage will then be applied.

Using the Force Unlock Option

The VSD can force unlock any destination regardless of what panel locked or protected it. In order for Force Unlock to be enabled, the VSD must be defined with a password of 90 – 99 in MPK Devices table of the Jupiter Editor. The **Force Unlock** button will only be enabled if the password is set to 90-99 and a locked/protected cell has been selected.

Note If AccuSwitch or Jupiter locks or protects a Destination on a 3rd party router that is shared with another control system, there is the possibility that after a pmemClear command occurs on the AccuSwitch/Jupiter Control system that the destination will report as being locked or protected by the 3rd party's control system. This Destination will have to be Force unlocked by an AccuSwitch/Jupiter Control system with Force Unlock privileges to regain control of the Destination.

Follow these steps to use the Force Unlock option:

1. Select the Locked cells (Figure 100).

Figure 100. Selected Tie Line

2. Click the **Force unlock** button.

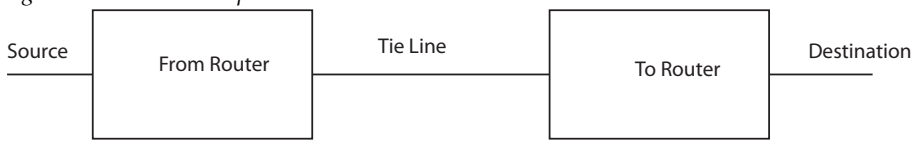
   The destinations will no longer be locked.

Clearing Tie Lines

Tie Lines or the connections between routers can be replaced using the **Clear Selected Tie Lines** button (Figure 101).

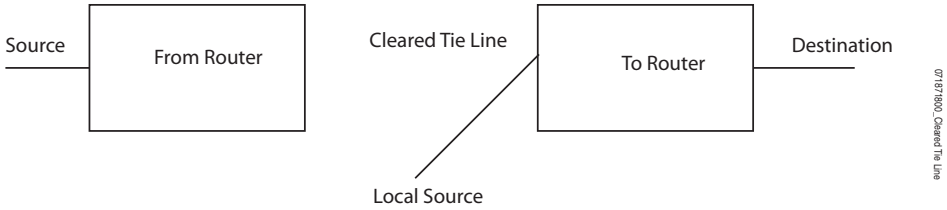
Note The naming Convention that is used in Figure 101 on page 93 and Figure 102 on page 93 is from the Tie Line view of the VSD application.

Figure 101. Tie Line Explanation



A local destination must be selected to clear the Tie line connection (Figure 102).

Figure 102. Cleared Tie Line



Follow these steps to clear a Tie line:

1. Select the Tie line that you want to clear, on the Tie Line view (Figure 103).

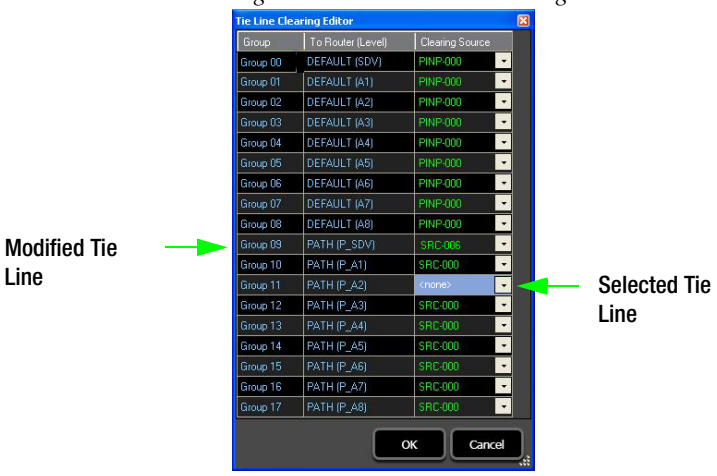
Figure 103. Selected Tie Line

2. Select the *Tie Line Clearing Editor* option under the Tools menu (Tools> Tie Line Clearing Editor). The Tie Line Clearing Editor will then open.

3. Select a new local source for each selected Tie line and then select a different cell in the Clearing Source column to apply the change (Figure 104).

Note The Changes are NOT made to the modified cell until a new cell has been selected.

Figure 104. The Tie Line Clearing Editor



4. Select the **OK** button. The Tie Line Clearing Editor's data is stored by connection.

   The Tie line should still be selected if not select the preferred Tie line.

5. Click the **Clear Selected Tie Lines** button (Figure 105).

Figure 105. The Clear Selected Tie Lines Button

The Tie Line view will be updated and the previously selected Tie lines should be cleared (Figure 106 on page 95).

Note It may take a few seconds for the Tie Line view to update.

Figure 106. The Clear Tie Lines

The Cleared Tie Line

Index

Symbols

.NET Framework requirements
  Hard Disk 2
  Installation Drive 2
  Processor 2
  RAM 2
.NET software requirements 2, 70
Dest 61

A

About Jupiter VSD 54
AccuSwitch 1
AccuSwitch board 59
Adjusting a Single Column 88
Adjusting the Column Width 88
All Levels button
  Local Sequences screen 42
all levels take
  Basic XY Soft Panel 26
  Multi Level XY Soft Panel 35
Apply Zoom% to all views of same type check box 91
Assign 11
Assign Function Key 30

B

Basic XY Soft Panel
  operating procedures 25
Basic-XY
  Skip Empty Category 22
Board Type 60
breakaway switch 37
button colors 64

C

Cancel button 62, 63
Change password 22, 30
Changing the Zoom Percentage 90
Clear Preset button
  Multi Level XY Soft Panel 32
Clipboard Buttons 55
Close button
  Local Sequences screen 42
Close Current View 54
Close View 55
Closing a View 84
color change 14
Color picker screen 15
color picker screen 81
Colors
  for Soft Panel display 14
colors
  for Soft Panel display 80
  of buttons 64
Column Heading 60
Column Headings 59
Column Width Adjustments 55
Compiling
  Jupiter sets 19
Configuration
  Jupiter File Server 18
  PC IP settings 7
  Soft Panel application settings 7
configuration
  PC IP settings 77
  Soft Panel application settings 77
Connect button 62
Connection at Startup 63
Connection Information 56
Connection Settings 56
Connection Status 56
Control board 59
Control Boards View 59
Control Boards view 56
Control panel sets 19
Copy Rows 55
Copying and Pasting a Row 85

Create Custom View 54
Create View 54
Creating a View 83
Custom views 56
Cut Rows 55
Cut, Copy, Paste 53

D

Default 55
Delete 53
Delete Current View 54
Delete Entry button
  Local Sequences screen 41
Delete Rows 55
Deleting 86
Deleting a Row 86
Destination 58, 61
  Basic XY Soft Panel 23
  Multi Level XY Soft Panel 32
destination
  lock 38
  protect 38
  unlock 38
  unprotect 38
Destination button
  Local Sequences screen 42
Destination Categories
  Basic XY Soft Panel 23
  Multi Level XY Soft Panel 31
Destination Entries
  Basic XY Soft Panel 23
  Multi Level XY Soft Panel 31
Destination Selection
  destination category 25
  Destination Entries 25
destination selection
  Basic XY Soft Panel 25
  Multi Level XY Soft Panel 34
Destinations 56
Destinations view 56
Device ID 79
  of Soft Panel 9
display fields
  Basic XY Soft Panel 23
  Multi Level XY Soft Panel 31
documentation online 4

E

Edit menu controls 22, 30, 53
Encore Visual Status Display
  overview 51
ES LAN Settings 62
Execute Sequence button
  Local Sequences screen 42
Existing Sequences
  Existing Sequences drop-down list 42
Exit 22, 30, 53
Export Sequence button
  Local Sequences screen 42

F

FAQ database 4
features of VSD 51
File
  Router Connection 22, 30, 53
File menu controls 22, 30, 53
Force Unlock / Unprotect option 18
frequently asked questions 4
From Router (Level) 61

G

Grass Valley web site 4
Grid Colors 63

H

help
  Tool tip 38
Help menu controls 54

I

Import Sequence button
  Local Sequences screen 42
Installation
  Soft Panel software 3
installation
  with VSD installer 71

installation of VSD 69
Interface Views 58
IP Address 60
IP settings
  PC 7, 77

J

Jupiter CM-4000 1
Jupiter File Server
  Compiling sets 19
  Configuration 18
  Control panel sets 19
  MPK table entries 18
Jupiter System Sequences 48
  Execute Sequence button 49
  Jupiter System Sequences dialog 48

L

Level
  Multi Level XY Soft Panel 32
level breakaways
  Multi Level XY Soft Panel 37
Level Pull Down button
  Local Sequences screen 42
level status 37
Levels 56
license key 51
limitations of VSD 52
Local Sequences
  screen description 40
lock
  destination 38
Lock and Protected status 56, 58
Lock button
  Multi Level XY Soft Panel 32

M

MAC Address 60
MPK table entries 18
Multi Level XY Soft PaneI
  main screen description 29
Multi Level XY Soft Panel
  control buttons 32
  Display Fields 31
  operating procedures 34
Mult-XY
  Skip Empty Category 30

N

New Entry button
  Local Sequences screen 41
New Sequence button
  Local Sequences screen 41

O

OK button 63
online documentation 4
Open Custom View 54, 62
Open View 54
Opening a View 84
operating procedures
  Basic XY Soft Panel 25
  Multi Level Soft Panel 34
Options 14, 22, 30, 62
Ordering information 19
overview
  VSD 51

P

Password column 18
Password protection 12
Paste 55
PC display requirements 2, 69
PC IP Address 9, 62
  of Soft Panel 79
Preset
  Basic XY Soft Panel 23
  Multi Level XY Soft Panel 31
Primary IP Address
  of AccuSwitch Controller 9, 78, 79
protect
  destination 38
Protect button
  Multi Level XY Soft Panel 32
Protocol 62

R

Recall to Preset button
  Multi Level XY Soft Panel 33
registration 51
Remove Sequence button
  Local Sequences screen 42
Removing
  un-installation
    Soft Panel software 74
Removing Soft Panel 5
Requirements
  ".NET Framework" version 3.5 2
  Appearance font size 2
  Minimum resolution 2
requirements
  .NET software 2, 70
  PC display 2, 69
Restore All Defaults button 63
Router Connection Editor 8
Router Connection Editor Dialog 9
Router Connection Settings 61
Router Disconnect 22, 30, 53
Router Reconnect 22, 30, 53

S

salvo
  definition 40
Save
  Local Sequences screen 41
Save Status button
  Multi Level XY Soft Panel 33
Search Field 55
Secondary IP Address
  of AccuSwitch Controller 9, 79
Section Headings 61, 63
See All Cols 55
See Content 55
Seeing All of the Content 90
Seeing All the Columns 89
Sequence
  Creating a Local Sequence 42
    All Levels 43
    Destination drop-down list 43
    Executive Sequence button 44
    Levels 43
    New Sequence button 42
    Save button 44
  Exporting an Existing Sequence
    Export Sequence window 46
    Export Sequences button 46
  Importing an Existing Sequence
    Import Sequences button 47
  Removing an Existing Sequence
    Existing Sequences drop-down list 45
    Removing Sequence button 45
  Selecting an Existing Sequence 44, 45, 47
    Existing Sequences drop-down list 44
sequence
  definition 40
  Jupiter system 48
  local 40
Sequence field
  Local Sequences screen 42
Sequence Name 41
Sequence Operations 40
  Sequences Screen
    Existing Sequences 42
    Sequence Commands 42
    Sequence List 42
Sequences
  Existing Sequences 42
  Sequence field 42
Sequences menu items 22, 30
Set password 22, 30
Setting Name 61
Setting the Zoom% to all Views of the Same Type 91
Settings
  Jupiter File Server 18
Soft Panel
  general description 1
Soft Panel application
  AccuSwitch IP configuration 77
    Router Connection Editor 7
Soft Panel shortcut 5
Soft Panel software
  un-installation 5, 74
software download from web 4
Software installation
  Soft Panel 3
Source 60

Source Categories
Basic XY Soft Panel 23
Multi Level XY Soft Panel 31
Source Entries
Basic XY Soft Panel 23
Multi Level XY Soft Panel 31
source selection
Basic XY Soft Panel 26
Multi Level XY Soft Panel 35
Sources 56
Sources View 58
Sources view 56
split switching
Multi Level XY Soft Panel 37
Status 60, 61
Basic XY Soft Panel 23
Multi Level XY Soft Panel 31
status
level 37
Status Changes 57
status check
Basic XY Soft Panel 25
Multi Level XY Soft Panel 34
Sticky Levels button
Multi Level XY Soft Panel 33
swap/undo
Basic XY Soft Panel 28
Multi Level XY Soft Panel 37
System Connection (file Menu) button 8
VSD 61
System Connections
multy 30
VSD 53
XY 22

T

Take button
Basic XY Soft Panel 23
Multi Level XY Soft Panel 32
The View Selection Area 56
The VSD Procedures 83
Tie Line view 56
Tie Lines 60
Tie Lines # 60
Tie Lines View 60
To Router (Level) 61
Tool tip help 38

U

uninstall VSD 74
Un-installation
Soft Panel software 5
unlock
destination 38
Unlock button
Multi Level XY Soft Panel 32
unprotect
destination 38
Unprotect button
Multi Level XY Soft Panel 33
Uptime 60
User Preferences
Options window
View Options 62, 80
Using the Hide Mode 87
Using the Search Field 87

V

View
general description 51
types 51
View Buttons 54
View menu controls 22, 30, 53, 54
View Options 14
View Sequence button
Local Sequences screen 42
Visual Status Display
features 51
overview 51
VSD
Change/ Set Password 54
Clear Selected Tie Lines 61
Clearing Tie Lines 92
distribution 69
features 51
installation 69
on software CDs 69
Options 54
overview 51
registration 51

Tie Line Clearing Editor 54
uninstall 74
Using the Force Unlock Option 92
VSD Installation 69
VSD limitations 52
VSD Procedures 83

W

web site documentation 4
web site FAQ database 4
web site Grass Valley 4
web site software download 4
Windows OS 1, 51

Z

Zoom 91
Zoom% Field 55