
# Presmaster Configurator User Manual

**02717-01**


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# Preface

## Warranty

Miranda Technologies Ltd warrants that the products that it manufactures and sells will be free from defects in materials and workmanship under normal use and service for a period of three (3) years from the date of shipment. If a product proves defective during this period, Miranda Technologies Ltd will, at it's own discretion, either repair the product free of parts and labour charges, or provide a replacement in exchange.

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This warranty is governed by the laws of England and Wales, whose courts shall have exclusive jurisdiction.

Information in this publication supersedes that in all previously published material and is subject to change without notice.

# Associated Publications

| Description | Part number |
|---|---|
| Presmaster User Manual | 01232 |
| Presmaster Integration Guide | 01234 |
| Presmaster Automation Protocol | 01235 |

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# Table of Contents

# Overview

## Introduction

Presmaster is a powerful master control switching and channel branding system designed for automated, multi-channel environments.

One or more Presmaster 100 panels (Prespanels) can be connected to one or more Presmaster Control Systems (Prescontrols), which in tern provide an interface to Imagestores, external routers, automation systems and VTR's.

Presmaster configurator is a Windows® based software package designed to help with the set-up and configuration of a Presmaster system installation.

Using the standard graphical user interface (GUI) this software provides step by step on screen instructions simplifying the process.

Miranda Technologies Ltd. recommends using this software in conjunction with the system interconnection diagram plus the various manufacturers handbooks as much of the data contained within these documents will be required.

The values entered into this program will directly influence system performance and reliability. If in doubt at any stage please contact our support department, details can be found in the Support section of this manual.

# Applications

Presmaster configurator is designed to run under Microsoft®

- Windows®98.
- Windows®NT (version 4 ).
- Windows®2000.

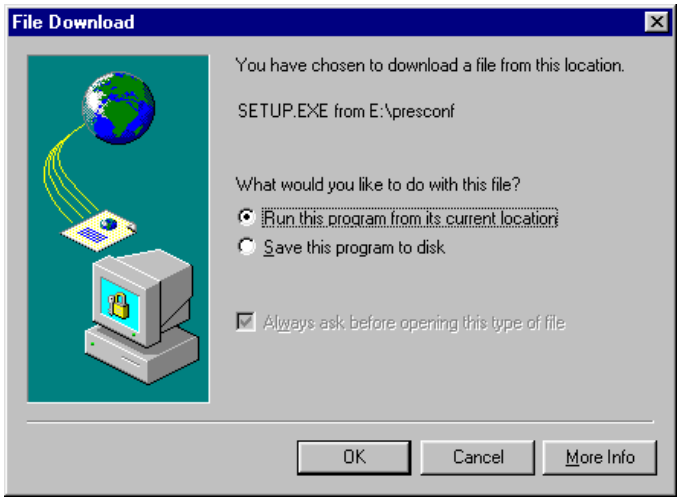
It is recommended that this software be installed on a network PC allowing communication with both the Presmaster Control System (Prescontrol), and the Presmaster 100 panel (Prespanel).

# Installation

To install the software place the Oxtel Series Presmaster software plus documentation compact disc into the CD drive of a networked computer with a web browser installed.

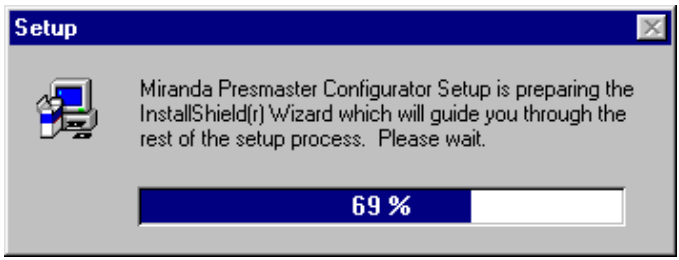
A html menu screen will automatically load (index.html) giving options to install software and/or view on-line documentation.

To install Presconfigurator software click on the Install hyperlink.

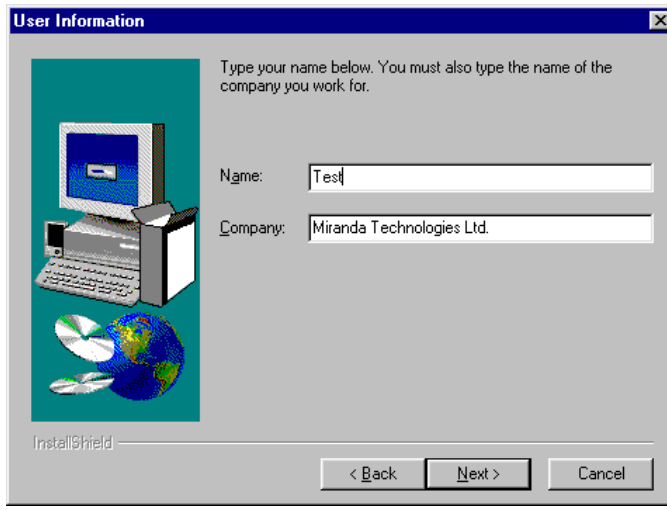



Click in the *Run this program from its current location* check box then click **OK** to continue.

Follow the on-screen commands to launch the InstalShield Wizard.




When prompted, add your Name and Company details.

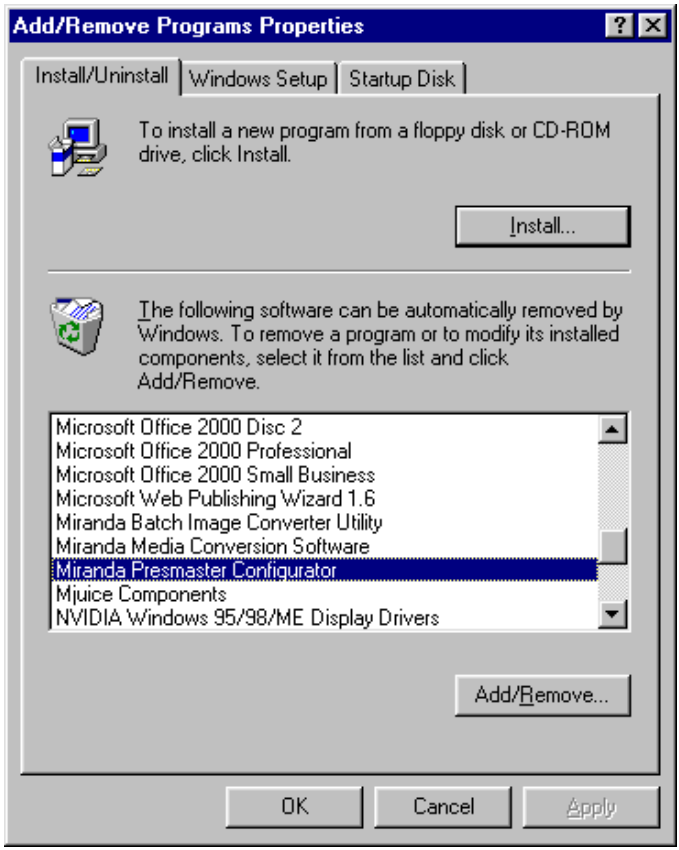



Click **Next** to continue or **Cancel** to abort or **Back** to return to the previous command.

Continue to follow the on-screen commands and the Miranda program group will be installed on your computer.

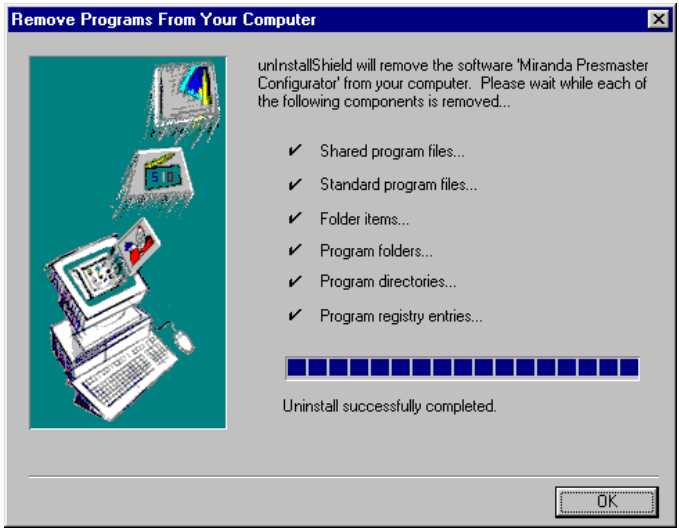
# Uninstall

To remove the Presconfigurator Software from your PC click on **Start Settings Control Panel**. Double click on the **Add/Remove Programs** icon.




Select Miranda Presmaster Confogurator then click on the **Add/Remove** button.

The Uninstall wizard will now remove the software from your PC.



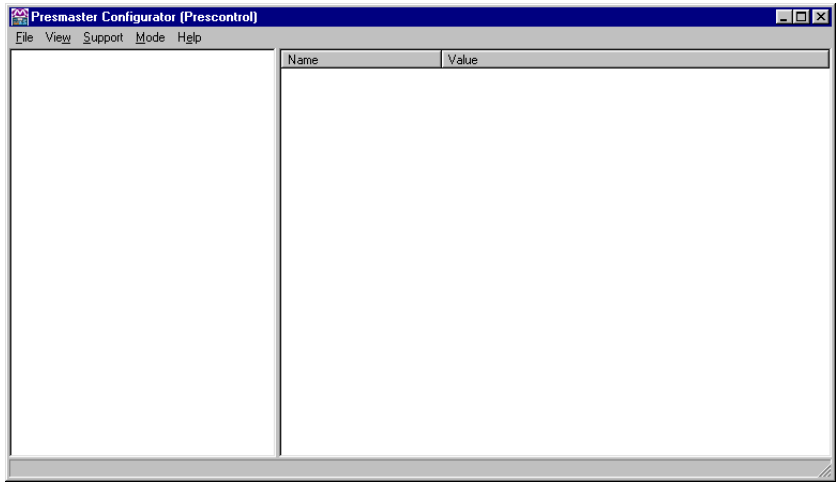

Click **OK** to continue.

# Running the software

To start the program double click on the Pres-configurator icon,

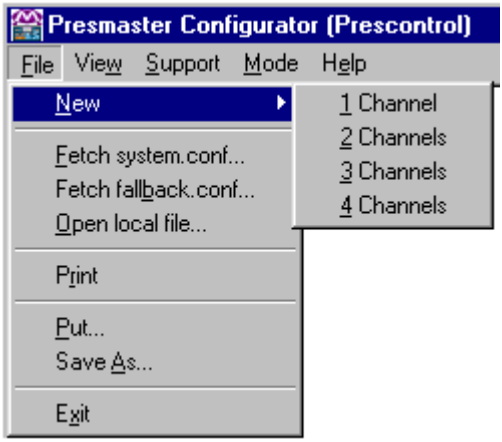

or select from Start, Programs, Miranda, Pres-configurator


## Opening screen



# Prescontrol menu options.

## File




### New

Starts a new configuration file for up to 4 channels.

Channel1

Channel2

Channel3

Channel4

### Fetch system.conf

Selects a system configuration file from a Prescontrol.

### Fetch fallback.conf

Selects a fallback configuration file from a Prescontrol.

### Open local file

Selects a configuration file held on a PC.

### Print

Displays the system.conf configuration file and allows printing.

### Put

Writes the system.conf configuration file back to a Prescontrol.

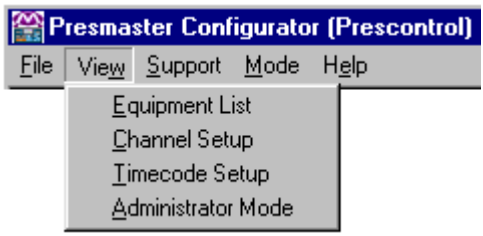
### Save As

Saves a system.conf configuration file to a PC.

### Exit

Terminates the program.

## View




### Equipment List

Lists the devices currently configured as being connected to the Prescontrol.

### Channel Setup

Displays the setting for each channel A-D (0-3).

### Timecode Setup

Allows selection of Leitch Offset and VITC timecode.

### Administrator Mode

Allows editing of parameters from the main window.

***Warning***

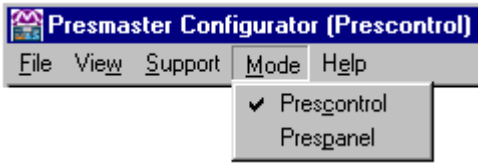
| |
|---|
| This mode should only be used by experienced users. |

## Support


### Get Log Files

Transfers log files from the Prescontrol to a PC.

## Mode



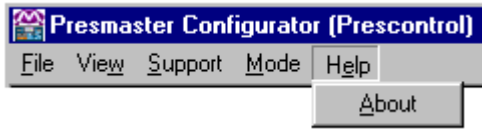

### Prescontrol

Set configuration file options for a Prescontrol.

### Prespanel

Sets configuration file options for a Prespanel.

## Help

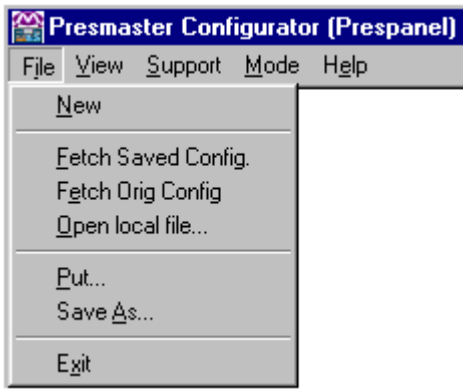



### About

Displays information about the software, version no. build no. and date.

# Prespanel menu options.

## File




### New

Starts a new configuration file.

### Fetch saved Config.

Selects a configuration file from a Prespanel.

### Fetch Orig Config.

Selects the original configuration file from a Prespanel.

### Open local file...

Selects a configuration file held on a PC.

### Put...

Writes a configuration file back to a Prespanel.

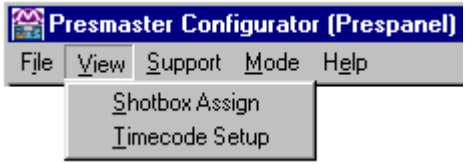
### Save As...

Saves a configuration file to a PC.

### Exit

Terminates the program.

## View



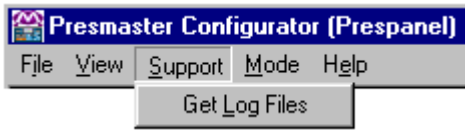

### Shotbox Assign

Configures the channel select buttons CH1-6 and the 24 softkeys on the touch screen on a Prespanel.

### Timecode Setup

Allows selection of Leitch Offset and VITC timecode.

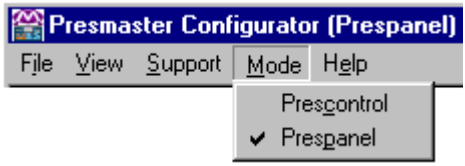
## Support




### Get Log Files

Transfers log files from the Prespanel to a PC.

# Mode



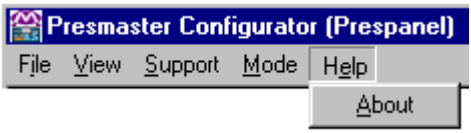

### Prescontrol

Sets configuration file options for a Prescontrol.

### Prespanel

Sets configuration file options for a Prespanel.

# Help




### About

Displays information about the software, version no. build no. and date.

# Configuring the PC

Before you can transfer a configuration file to or from either a Prescontrol or Prepanel it may be necessary to configure the PC's network settings.

Presmaster uses TCP/IP protocol with IP addresses in the range of:

| | | |
|---|---|---|
| Control | 172.16.x.x | |
| Media | 172.17.x.x | |
| Media Alias | 10.96.x.x | (or 179.1.x.x for older systems) |

To check whether your PC has access to the Presmaster Media network use the *ping* command from a DOS window.

From a DOS window type:
Ping 172.17.x.x or
Ping 10.96.x.x (or 179.1.x.x for older systems)
where x.x is the number of the unit you wish to configure.

If your PC has access to the network a confirmation message is returned from the unit. If not a *Destination Host Unreachable* message will be displayed.

**WARNING**

If the settings on your PC require changing, Miranda technologies Ltd strongly recommends you seek advice from your IT department.

# Temporary network settings

In the event you need to modify the network settings of your PC to communicate with a Presmaster media network, use the following procedure.

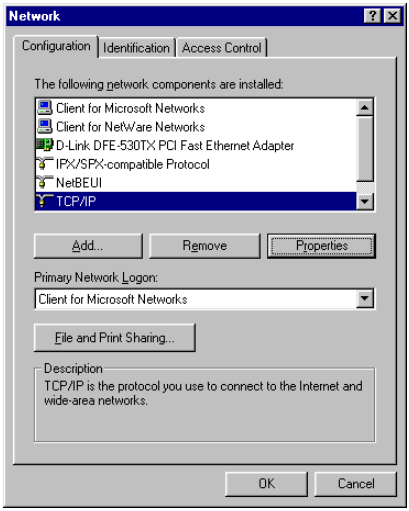
### WARNING

The settings on your PC **MUST** be returned to their original values after transferring a configuration file. Please note the original IP settings.

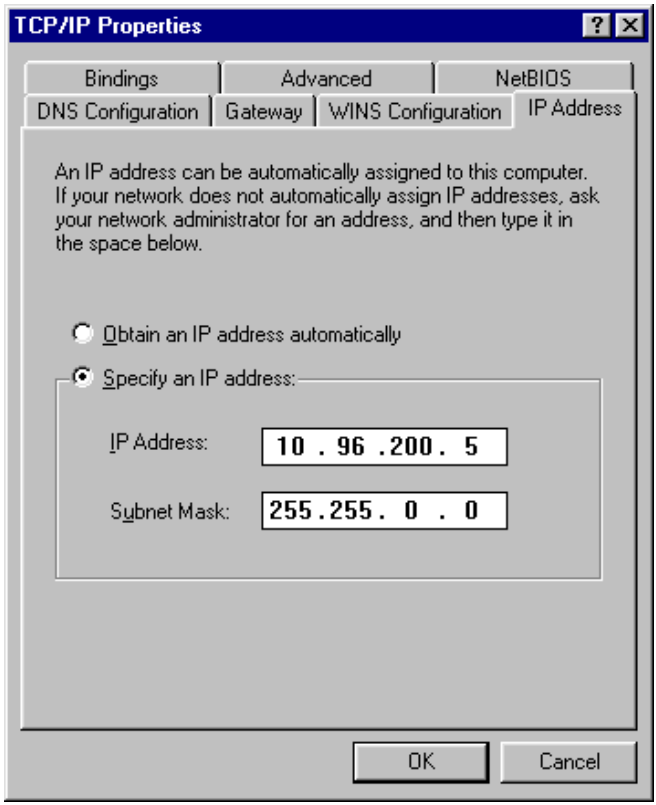
Connect your PC network cable into the media hub of the Presmaster installation.

Select **Start**, **Settings**, **Control Panel**.

From the **Control Panel** window double click on the Network icon.

Select TCP/IP then click on Properties




In the **TCP/IP Properties** window enter:

IP Address 10.96.200.5 (or 179.1.200.5 for older systems)

Subnet Mask 255.255.0.0

Click **OK** to continue or **Cancel** to abort.

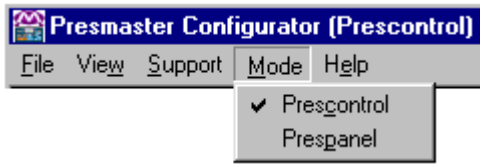
Reboot your PC.

Any previous network settings will be invalid but you should now be able to communicate with the Presmaster system.

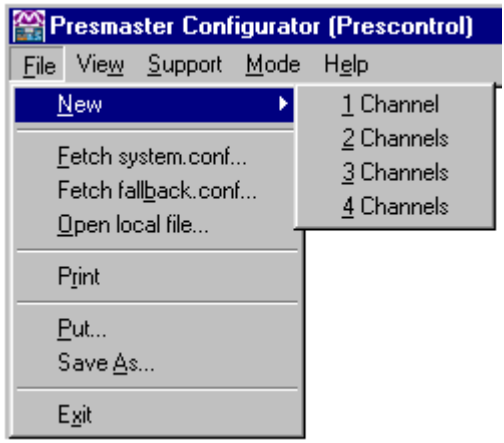
**REMEMBER TO RESET THE IP ADDRESS AFTER TRANSFER.**

# Creating a new Prescontrol config file

Start the program and check that the software is in Prescontrol mode.




To create a new configuration file click on *File* then **New**. Select the number of channels to be supported.



# IP address

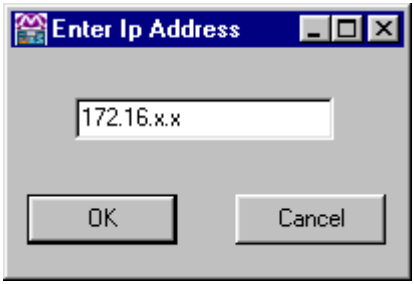
Each Prescontrol is assigned 3 IP addresses (Internet protocol) by Miranda Technologies Ltd. They consist of a control, media and media alias numbers with the following prefixes.

Control 172.16.x.x

Media 172.17.x.x

Alias 10.96.x.x (or 179.1.x.x for older systems)

Enter the **CONTROL** IP address of the Prescontrol to be configured. This is supplied with the product documentation or can be obtained by contacting Customer Support on +44 1491 820222.

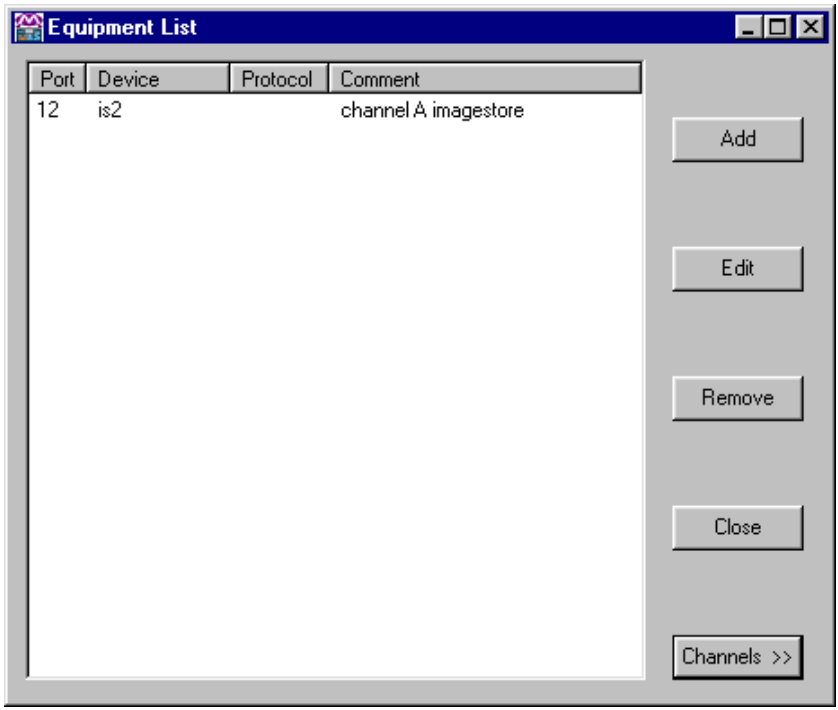



Click **OK** to continue or **Cancel** to abort.

The **Equipment List** dialog box is then displayed and depending on the number of channels selected up to 4 default Imagestore entries will be displayed.

# Equipment list

The **Equipment List** dialog box is used to add and configure all devices that are connected to the Prescontrol.

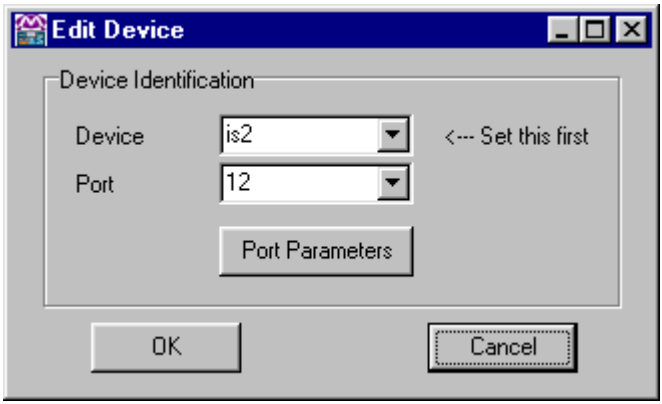



Devices that can be added are:

- Routers
- Automation
- Imagestores (Version 2 only)
- Sony 9 –pin devices (VCR's etc.)

## Editing Imagestore entries

From the **Equipment List** dialog box select an is2 entry then click the **Edit** button, or double click on the is2 entry.




The port number must match the port on the rear panel of the Prescontrol that the Imagestore is connected to. Default port values are:

| | | |
|---|---|---|
| Imagestores | Port 12 | Upstream Channel 1 (A) |
| | Port 13 | Upstream Channel 2 (B) |
| | Port 14 | Upstream Channel 3 (C) |
| | Port 15 | Upstream Channel 4 (D) |

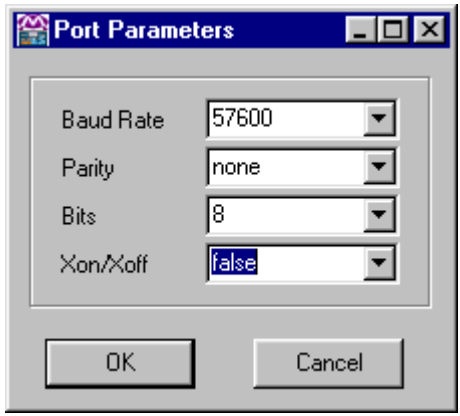
For rear port identification refer to Appendix A.

The Prescontrol assumes is2 port-parameters of:

| | |
|---|---|
| Baud Rate | 57600 |
| Parity | none |
| Bits | 8 |
| Xon/Xoff | false |

## Port Parameters

If you need to modify the default values, click on the **Port Parameters** button.




Use the drop down boxes to adjust the values. Supported vales are:

| | |
|---|---|
| Baud Rate | 9600 |
| | 19200 |
| | 38400 |
| | 57600 |
| | 115200 |

| | |
|---|---|
| Parity | none |
| | even |
| | odd |
| Bits | 8 |
| | 7 |
| Xon/Xoff | false |
| | true |

Click **OK** to continue or **Cancel** to abort.

## IS2 Parameters

Each Imagestore has a maximum of 2 DSK (keying) layers.

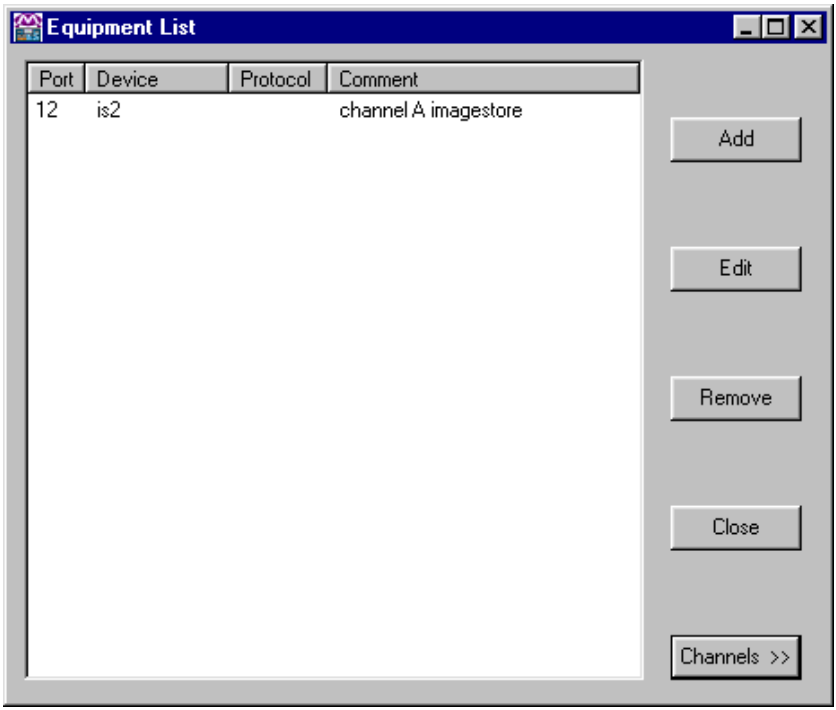

If a DVE (squeeze) option is fitted tick the DVE check box.

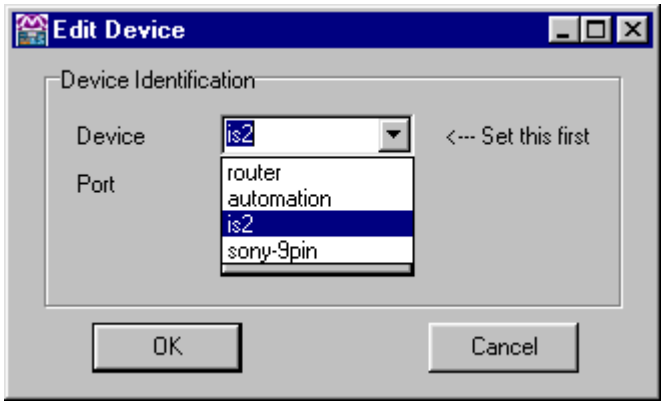
Adjust the name and comment fields as necessary.

Click **OK** to continue or **Cancel** to abort.

# Adding a downstream Imagestore

To add another entry to the Equipment List dialog box select **Add** or use the pop-up window option by clicking the right hand mouse button.






Click on the **Device** drop down box and select is2. The software will automatically assign Port 20 as the default connection for Channel 1

The port number must match the port on the rear panel of the Prescontrol that the Imagestore is connected to. Default port values are:

| | | |
|---|---|---|
| Imagestores | Port 20 | Downstream Channel 1 (A) |
| | Port 21 | Downstream Channel 2 (B) |
| | Port 22 | Downstream Channel 3 (C) |
| | Port 23 | Downstream Channel 4 (D) |

For rear port identification refer to Appendix A.

The Prescontrol assumes is2 port-parameters of:

| | |
|---|---|
| Baud Rate | 57600 |
| Parity | none |
| Bits | 8 |
| Xon/Xoff | false |

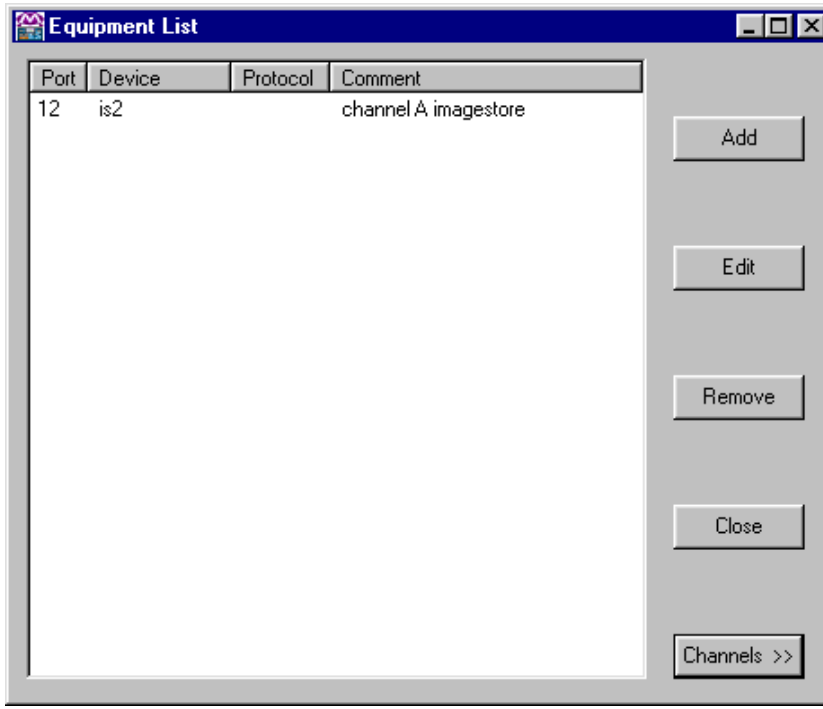
**NOTE: Presmaster cannot control a DVE (squeeze) option if fitted to a downstream Imagestore. Do not tick the DVE check box even if the option is fitted.**

Adjust the name and comment fields as necessary.

Click **OK** to continue or **Cancel** to abort.

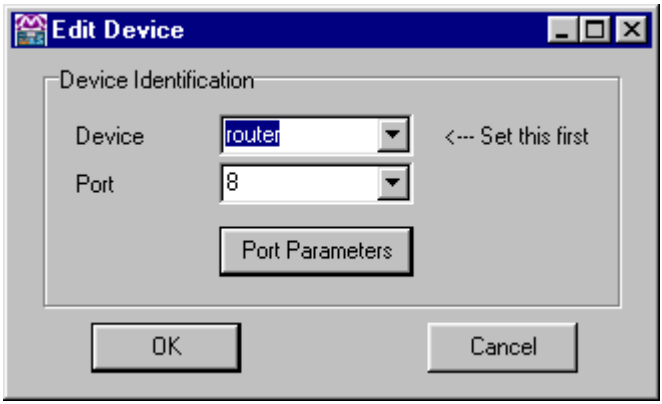
# Adding additional equipment

To add additional equipment to the Equipment List dialog box select **Add** or use the pop-up window option by clicking the right hand mouse button.




## Routers

Click on the **Device** drop down box and select router. The software will automatically assign Port 8 as the default connection.




**NOTE: Port 8 is assigned assuming the router uses RS422 protocol. If the router uses RS232 protocol select port 0.**

The port number must match the port on the rear panel of the Prescontrol that the router is connected to.

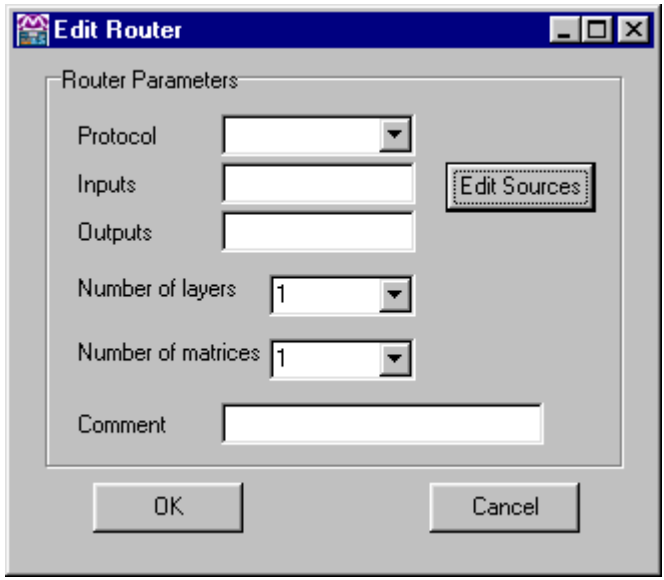
**NOTE: Port parameters can only be changed after the router has been added to the Equipment list dialog box.**

To change the port parameters double click on the router entry in the **Equipment List** dialog box then click on the **Port Parameters** button. Use the settings from the Supported router drivers (page 41) or refer to the manufacturers handbook for full instructions.

For rear port identification refer to Appendix A.

Click **OK** to continue or **Cancel** to abort.

### Router set-up




Click on the **Protocol** drop down box and select the required router driver.

## Supported router drivers

The serial port parameters given for each router are the default parameters.

**Probel (SWP-02 General Switcher Protocol)**
38400bps, 8 bit, 1 stop bit, even parity.

**Probel_8 (SWP-08 General Remote Protocol)**
38400bps, 8 bit, 1 stop bit, even parity.

**Quartz**
38400bps, 8 bits, 1 stop bit, no parity.

**Leitch**
38400bps, 8 bits, 1 stop bit, no parity.

**Omnibus**
38400bps, 8 bit, 1 stop bit, even parity.

**Network VikinX (RS232 only)**
19200bps, 8 bits, 1 stop bit, no parity

**Sierra**
38400bps, 8 bit, 1 stop bit, even parity.

**Videotek**
38400bps, 7 bit, 1 stop bit, Odd parity.

**Philips (VENUS ES Switch))**
38400bps, 8 Bit, 1 Stop Bit, Odd Parity.

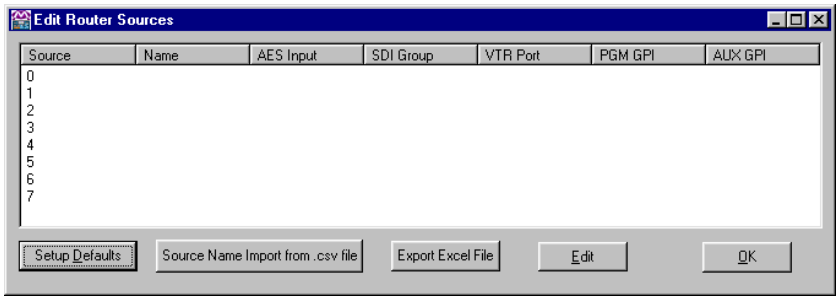
**GVG ( Grass Valley Group Native Protocol )**
9600Kbps, 1 stop bit, no parity.

Add the number of inputs and outputs on the router plus the number of layers and matrices. *Refer to the router manufacturers handbooks.*

Add comments if necessary.

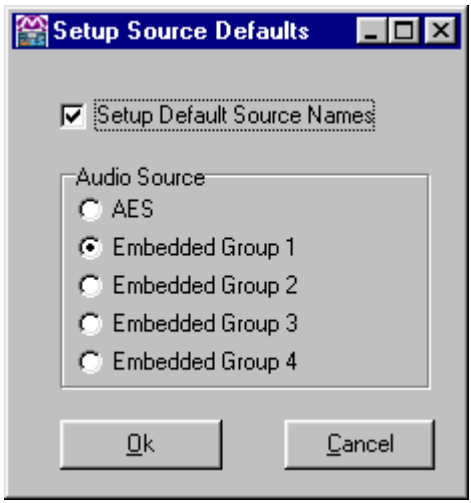
From the **Edit Router** dialog box select **Edit Sources**.

## Edit Sources



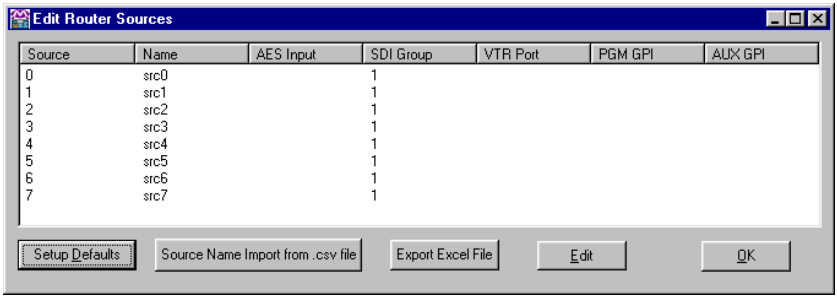

The software will assign as many sources as inputs specified in the previous window.

To enter default parameters click on the **Setup Defaults** button.



Tick the Setup Default Source Names check box and select the required audio source.

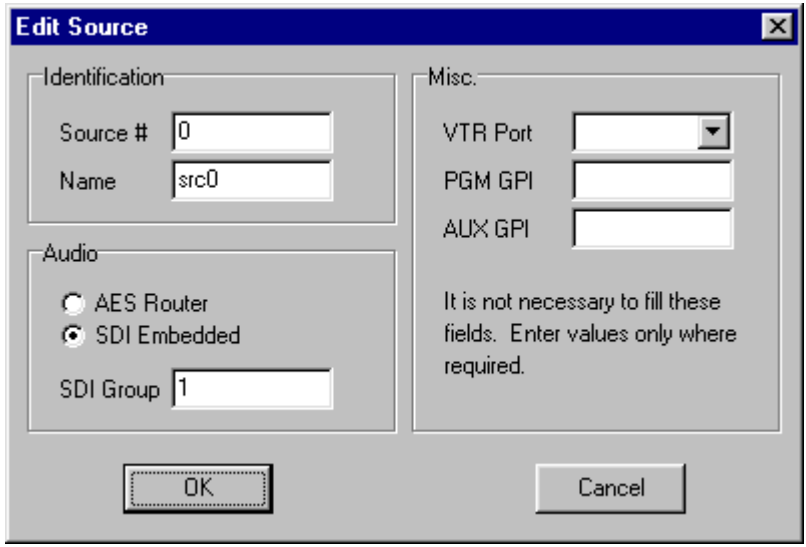
Click **OK** to continue or **Cancel** to abort.




Default values are now displayed.

## Edit Router Source

To edit the router source information highlight a source then click the **Edit** button in the **Edit Router Source** dialog box or double click on the source.




**Identification**

| | |
|---|---|
| Source # | Router source number |
| Name | Text that will be displayed in the Source ident displays on the Prespanel. Maximum 8 characters. |

**Audio**

Select the audio source and SDI group in the range 1 – 4 (see settings from **Setup Source Defaults** dialog box, page 43).

**Misc**

| | |
|---|---|
| VTR port | Enter the port number of the VCR if connected to the Prescontrol. Default port setting is 16. |
| PGM GPI | Option not currently available. |
| AUX GPI | Option not currently available. |

Click **OK** to continue or **Cancel** to abort.

Close the **Edit Router Source** dialog box. Then Click **OK** to save setting and continue or **Cancel** to abort from the **Edit Router** dialog box.

It the router entries were saved they will now be displayed in the **Equipment List** dialog box.

## Source Name Import from .csv file

To assist with the naming of router sources an import facility is available for comma separated variable (.csv) files, which can be generated in Microsoft® Excel. To import a file click on the **Source Name Import from .csv file** button. Use the **Open** dialog window to locate and load the file. The file must only contain the source names in column A. No other data is necessary including a column heading.

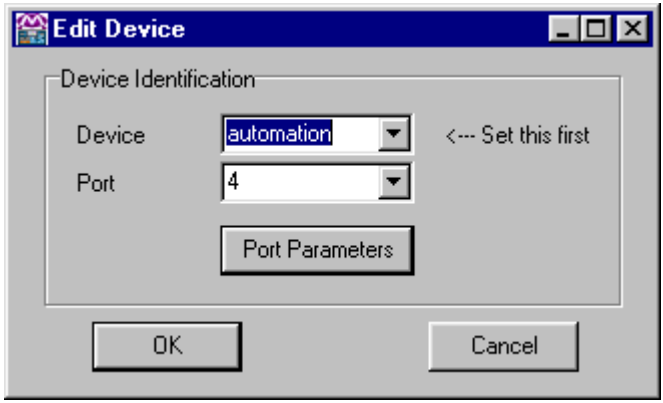
## Export Excel File

To export the router source information as a Microsoft® Excel compatible .csv file, click on the **Export Excel File** button and use the **Save As** dialog window to save the file.

## Automation

To add an automation entry to the Equipment List dialog box select **Add** or use the pop-up window option by clicking the right hand mouse button.

Click on the **Device** drop down box and select automation. The software will automatically assign Port 4 as the default connection for channel 1 automation.




The port number must match the port on the rear panel of the Prescontrol that the automation is connected to. Default port values are:

| | | |
|---|---|---|
| Automation | Port 4 | Channel 1 (A) |
| | Port 5 | Channel 2 (B) |
| | Port 6 | Channel 3 (C) |
| | Port 7 | Channel 4 (D) |

To change the port setting click on the **Port** drop down box and assign the new connector number.

For rear port identification refer to Appendix A.

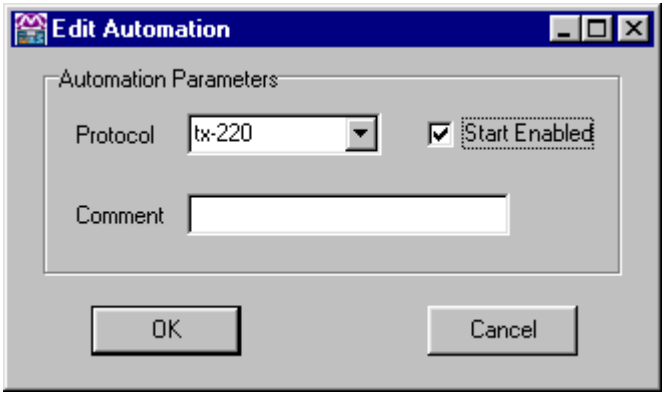
Click **OK** to continue or **Cancel** to abort.

**NOTE: Port Parameters can only be changed after automation has been added to the Equipment list dialog box.**

To change the port parameters double click on the automation entry in the **Equipment List** dialog box then click on the **Port Parameters** button. Refer to page 33 for full instructions.

For settings refer to the automation manufacturers handbook.

## Automation set-up




Only the tx220 protocol is supported. To enable automation when the Prescontrol is powered up or rebooted tick the **Start Enable** check box.

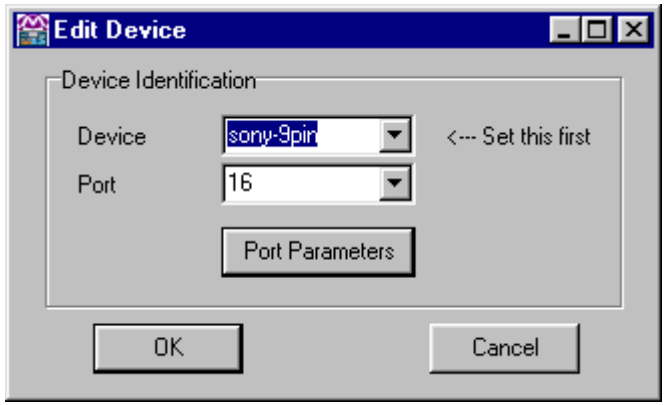
Add comments if necessary.

Click **OK** to continue or **Cancel** to abort.

## Video Tape Recorders (VTR)

To add a VTR entry to the Equipment List dialog box select **Add** or use the pop-up window option by clicking the right hand mouse button.

Click on the **Device** drop down box and select sony-9pin. The software will automatically assign Port 16 as the default connection.




The port number must match the port on the rear panel of the Prescontrol that the VTR is connected to. To change the port setting click on the **Port** drop down box and assign the new connector number.

For rear port identification refer to Appendix A.

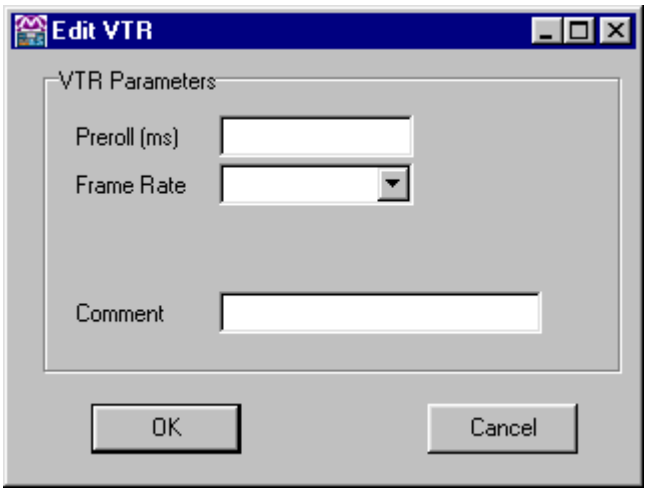
Click **OK** to continue or **Cancel** to abort.

**NOTE: Port Parameters can only be changed after the sony-9pin has been added to the Equipment list dialog box.**

To change the port parameters double click on the sony-9pin entry in the **Equipment List** dialog box then click on the **Port Parameters** button. Refer to page 33 for full instructions.

For baud rate settings refer to the sony-9pin manufacturers handbook.

## VTR set-up




For Preroll and Frame Rate data refer to the manufacturers handbook.

Add comment if necessary.

Click **OK** to continue or **Cancel** to abort.

The VTR entry will now appear in the **Equipment List** dialog box.

## Editing existing entries

To modify an existing entry in the **Equipment List** dialog box either

- Double click on the entry
- Highlight the entry then click on the **Edit** button.
- Highlight the entry then use the right hand mouse button to open the pop-up window.

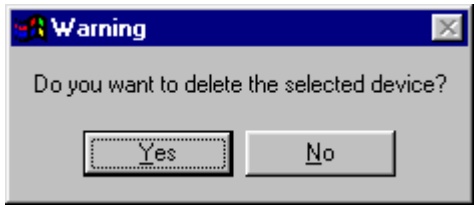
Each of the dialog boxes used to add the device will be displayed allowing the user to modify the fields.

## Removing existing entries

To remove an existing entry from the **Equipment List** dialog box either

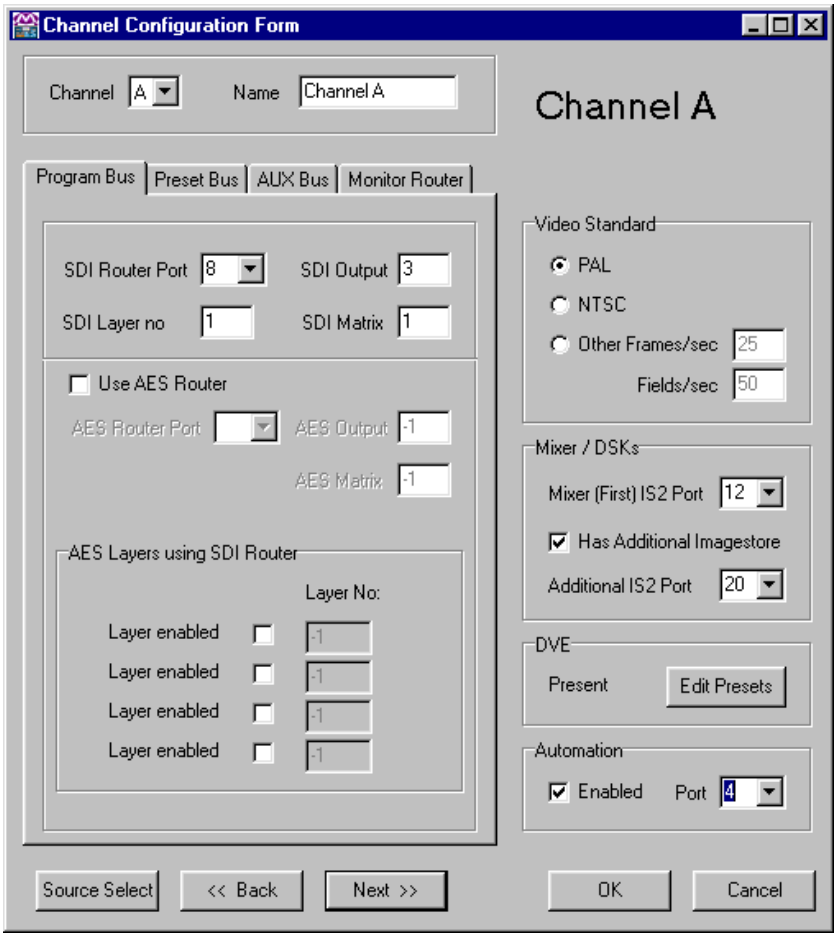
- Highlight the entry then click on the **Remove** button.
- Highlight the entry then use the right hand mouse button to open the pop-up window.

A warning message will then be displayed confirming removal of the selected device.



# Channel configuration

From the **Equipment List** dialog box click the **Channels >>** button.




The Channel Configuration Form dialog box will now be displayed.

To assist with channel configuration it may be necessary to refer to the router manufacturers handbook plus the system interconnection diagram.

# Program Bus

## SDI

| | |
|---|---|
| SDI Router Port | Prescontrol rear panel port to router (default port 8) |
| SDI Output | Router output to Imagestore input A |
| SDI Layer no | Router layer number of the SDI output to Imagestore input A |
| SDI Matrix | Router matrix number of the SDI output to Imagestore input A<br>*Refer to router manufacturers handbook.* |

## AES

Tick the **Use AES Router** check box if using a separate audio router.

| | |
|---|---|
| AES Router Port | Prescontrol rear panel port to router (default port 8) |
| AES Output | Router output to Imagestore AES input A<br>*Miranda Technologies Ltd recommend SDI and AES outputs use the same number* |
| AES Matrix | Router matrix number of the AES output to Imagestore AES input A<br>*Refer to router manufacturers handbook.* |

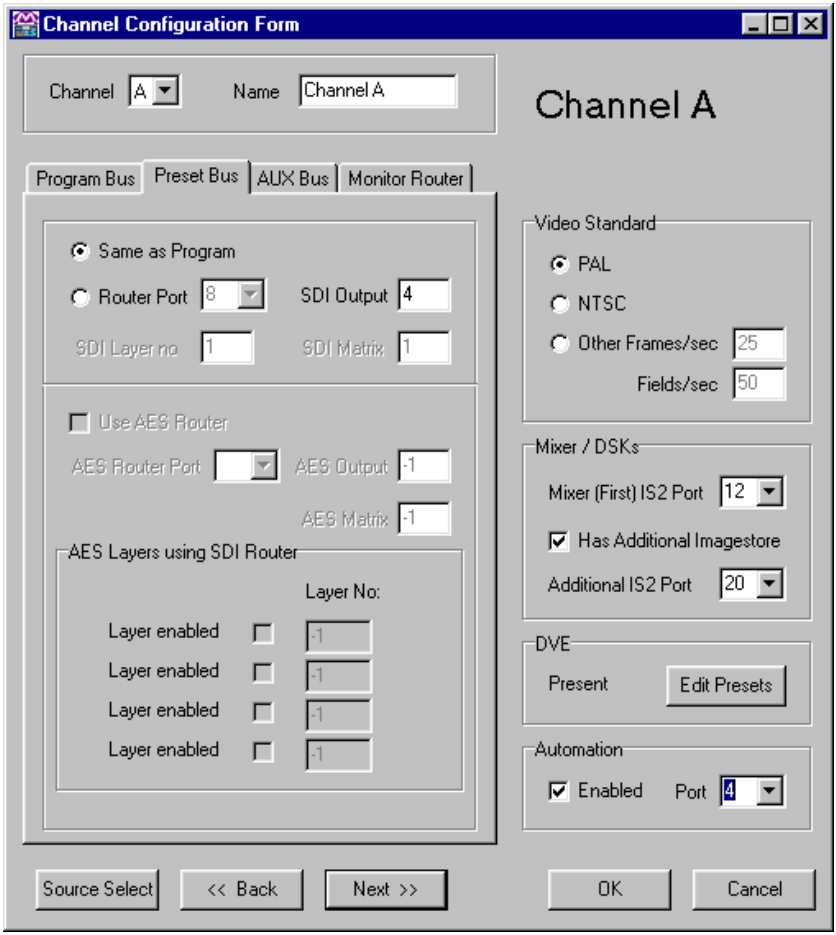
## AES layers

Use this section to select the layers within the SDI router reserved for AES audio. *Refer to router manufacturers handbook.*

**NOTES**

- Fields with a –1 entry will be ignored.
- Numbers are indexed from 0 to n-1 where n=maximum number of router inputs.
- When using multiple AES layers, all 8 must be the same size and in the same matrix.

## Preset Bus




Select **Same as Program** radio button to use program bus defaults.

## SDI

| | |
|---|---|
| Router Port | Prescontrol rear panel port to router (default port 8) |
| SDI Output | Router output to Imagestore input B |
| SDI Layer no | Router layer number of the SDI output to Imagestore input B |
| SDI Matrix | Router matrix number of the SDI output to Imagestore input B<br>*Refer to router manufacturers handbook.* |

## AES

Tick the **Use AES Router** check box if using a separate audio router.

| | |
|---|---|
| AES Router Port | Prescontrol rear panel port to router (default port 8) |
| AES Output | Router output to Imagestore AES input B<br>*Miranda Technologies Ltd recommend SDI and AES outputs use the same number* |
| AES Matrix | Router matrix number of the AES output to Imagestore AES input B<br>*Refer to router manufacturers handbook.* |

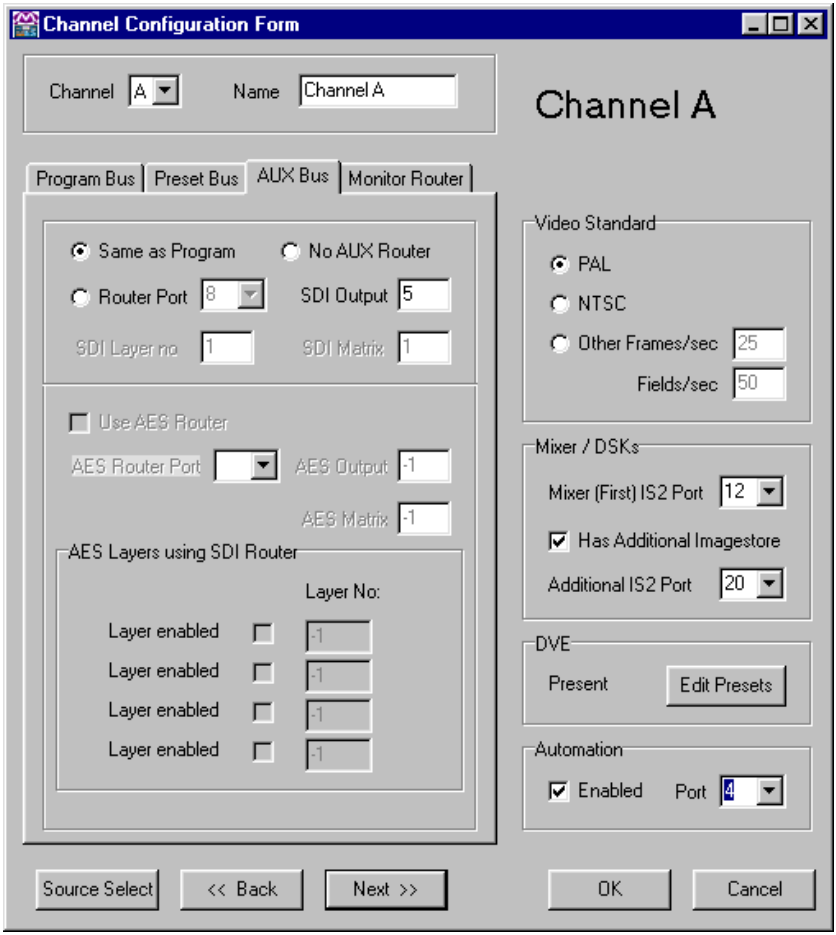
## AES layers

Values from Program Bus will be displayed.

**NOTES**

- Fields with a –1 entry will be ignored.
- Program and Preset router configurations have the same number of layers matrices.

# AUX Bus




Select the **No AUX Router** radio button if this feature is not required.

Select **Same as Program** radio button to use program bus defaults.

## SDI

| | |
|---|---|
| Router Port | Prescontrol rear panel port to router (default port 8) |
| SDI Output | SDI Router output that the AUX bus will control. |
| SDI Layer no | Router layer number of the SDI output that the AUX bus will control. |
| SDI Matrix | Router matrix number of the SDI output that the AUX bus will control. *Refer to router manufacturers handbook.* |

## AES

Tick the Use AES Router box if using a separate audio router.

| | |
|---|---|
| AES Router Port | Prescontrol rear panel port to router (default port 8) |
| AES Output | AES Router output that the AUX bus will control. *Miranda Technologies Ltd recommend SDI and AES outputs use the same number* |
| AES Matrix | Router matrix number of the AES output that the AUX bus will control. *Refer to router manufacturers handbook.* |

## AES layers

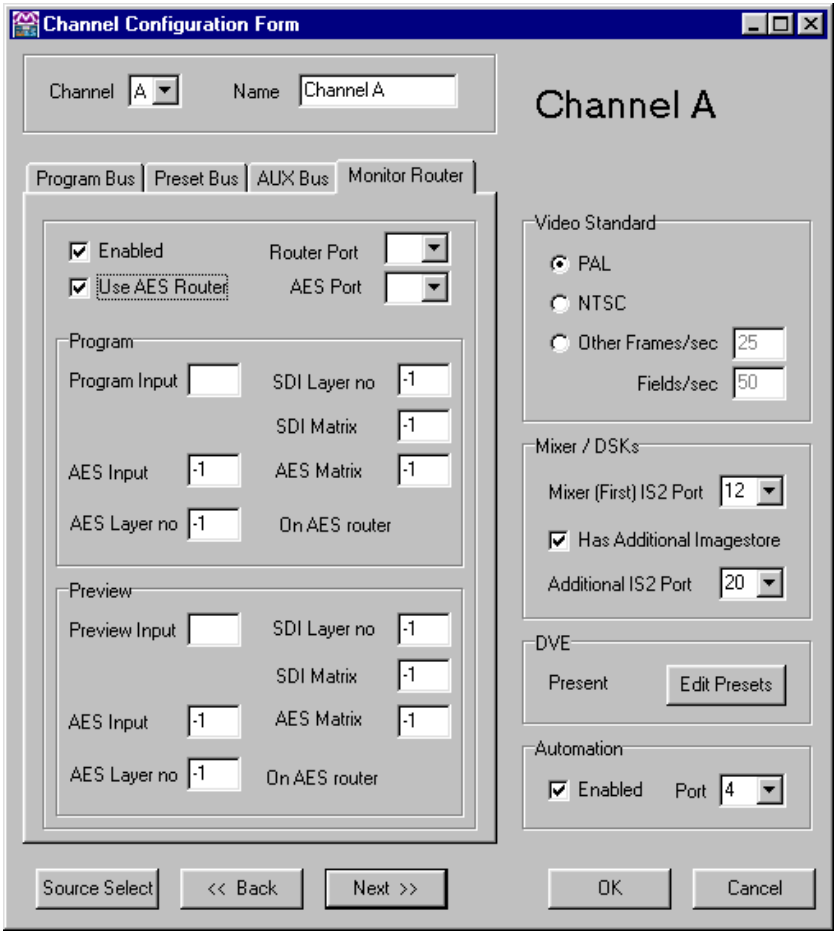
Values from Program Bus will be displayed.

**NOTE**

- Fields with a –1 entry will be ignored.

## Monitor Router

Use this option if you wish to route the program and preview outputs from an Imagestore back into the router for remote monitoring.



| | |
|---|---|
| Router Port | Prescontrol rear panel port to router (default port 8) |
| AES Router Port | Prescontrol rear panel port to router (default port 8) |

## Program

| | |
|---|---|
| Program Input | SDI Router input from the Imagestore program output. |
| SDI Layer no | Router layer number of the SDI input from the Imagestore program. |
| SDI Matrix | Router matrix number of the SDI input from the Imagestore program. |
| AES Input | AES Router input from the Imagestore AES program output. |
| SDI Layer no | Router layer number of the AES input from the Imagestore AES program. |
| SDI Matrix | Router matrix number of the AES input from the Imagestore AES program. *Refer to router manufacturers data.* |

## Preview

| | |
|---|---|
| Preview Input | SDI Router input from the Imagestore preview output. |
| SDI Layer no | Router layer number of the SDI input from the Imagestore preview. |
| SDI Matrix | Router matrix number of the SDI input from the Imagestore preview. |
| AES Input | AES Router input from the Imagestore AES preview output. |
| SDI Layer no | Router layer number of the AES input from the Imagestore AES preview. |
| SDI Matrix | Router matrix number of the AES input from the Imagestore AES preview. *Refer to router manufacturers data.* |

For router output definition refer to the Monitor Router section in Creating a new Prespanel config.

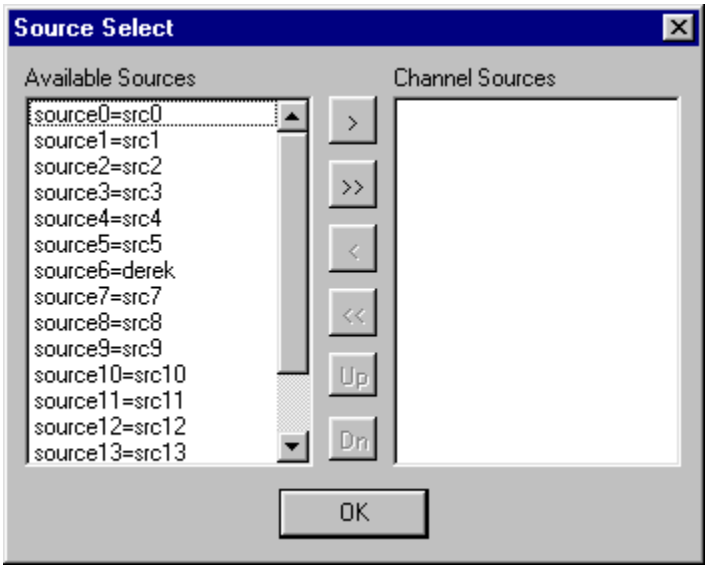
**NOTE**

- Fields with a –1 entry will be ignored.

## Source Select

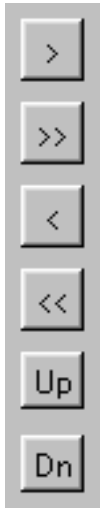
To allocate router sources click on the **Source Select** button.

Prescontrol can only allocate up to 100 source inputs from the router. If you are using a router with more than 100 you will need to select from the available sources which ones to use.




To select a source click on an entry in the left hand column and transfer it to the right hand column using the following icons.

### Source select icons




Selects a single entry.




Selects all entries.




Deselects a single entry.




Deselects all entries.




Moves entry up the list.




Moves entry down the list.

Click **OK** to continue.

## Video Standard

Select from PAL, NTSC or other frame and sync rates.

## Mixer / DSK's

Enter the Prescontrol rear panel port that the Imagestore is connected to (default port 12 channel 1).

If an additional (downstream) Imagestore is connected in cascade mode tick the **Has Additional Imagestore** box.

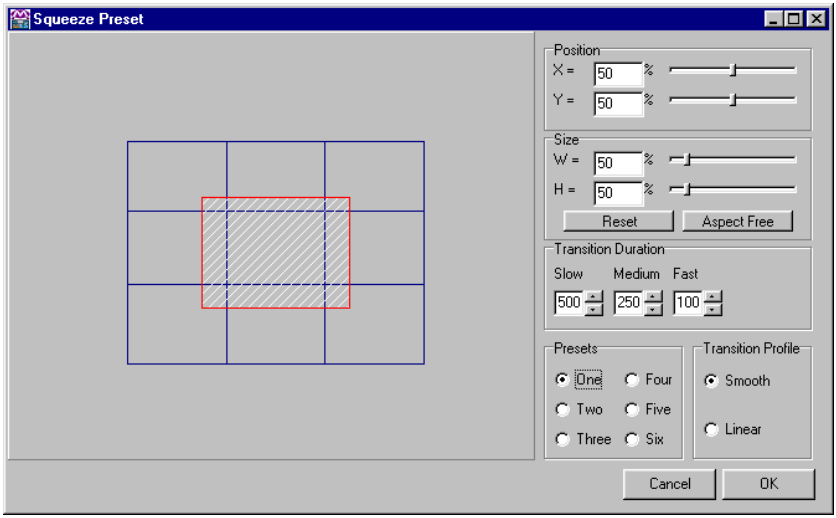
Enter the Prescontrol rear panel port that the cascaded Imagestore is connected to (default port 20 channel 1).

## DVE

6 preset DVE (Digital Video Effects) can be configured if the DVE (Squeeze) option is fitted to the Imagestore.

To configure the presets click on the **Edit Presets** button.

The **Squeeze Preset** dialog box is then displayed.



### Presets

Select the preset to edit, 1-6.

### Position

X position to centre of squeeze image relative to screen width (50%=screen centre).

Y position to centre of squeeze image relative to screen height (50%=screen centre).

Use the slider control to the right of the boxes to adjust the value or type in the value by clicking the cursor in the required field.

### Size

W width of squeeze image relative to screen width (100%=full screen).

H height of squeeze image relative to screen height (100%=full screen).

Use the slider control to the right of the boxes to adjust the value or type in the value by clicking the cursor in the required field.

### Reset

Resets the squeeze image to full screen, centrally placed,
X=50, Y=50, W=100, H=100.

### Aspect Free / Aspect Locked

Controls the aspect ratio of the squeeze image relative to the screen size.

### Transition Duration

Sets the number of frames the DVE will take to complete the task. There are 3 modes, Slow, Medium and Fast. The transition mode used is set by the Prespanel. Use the up and down arrows to adjust the value (0-999) or type in the value by clicking the cursor in the required field.

### Transition Profile

Smooth Sets smooth velocity profiles.

Linear Sets linear velocity profiles.

# Automation

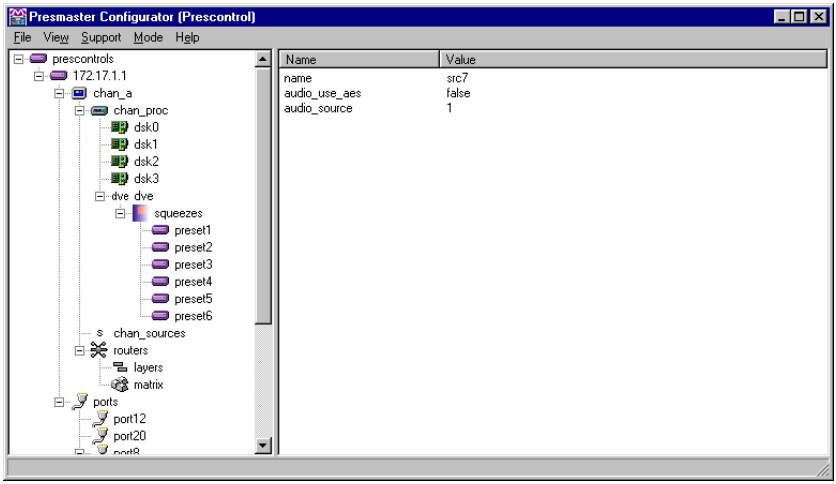
If automation is required click the **Enabled** check box.

Select from the drop down dialog box the Prescontrol rear panel port that the automation system is connected to. Default ports are:

| | | |
|---|---|---|
| Automation | Port 4 | Channel 1 (A) |
| | Port 5 | Channel 2 (B) |
| | Port 6 | Channel 3 (C) |
| | Port 7 | Channel 4 (D) |

If another channel requires configuring select the **Next** button , otherwise the following message will be displayed.

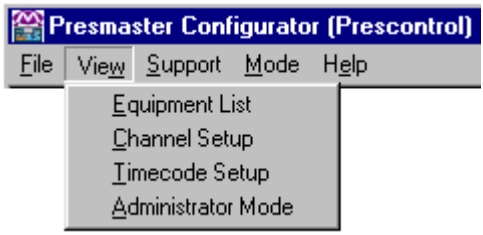
**The basic configuration is now complete.**



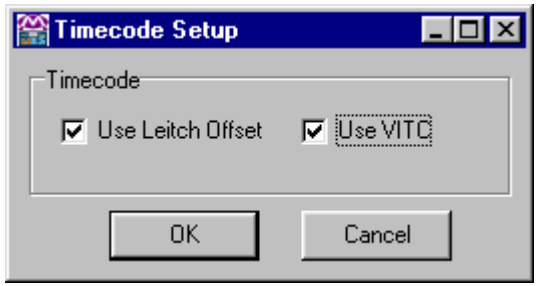

To expand the configuration tree click on the + symbol next to the Prescontrol IP address number.

# Setting timecode

To enable time code support select *View* **Timecode setup**.




The **Timecode Setup Form** dialog box is displayed.

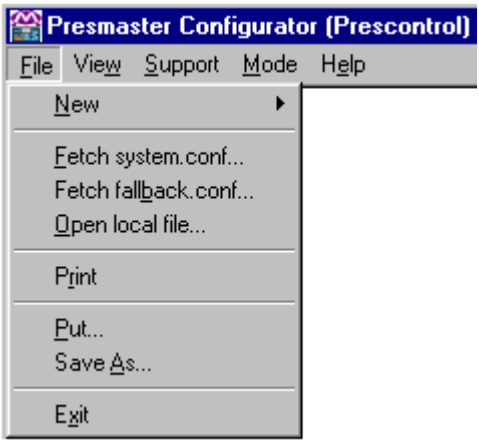



Select the appropriate time code.

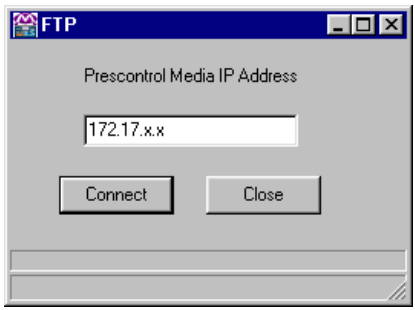
Click **OK** to continue or **Cancel** to abort.

# Transfering a Prescontrol configuration file.

To transfer a completed configuration file select *file* **Put**.




Enter the Media IP address of the Prescontrol you wish to transfer the system.conf configuration file to.




Press **Connect** to send or **Close** to abort.

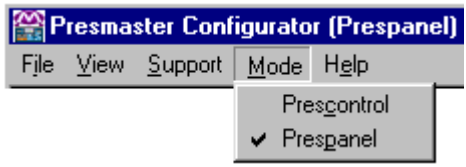
After the file has been transferred reboot the Prescontol.

Using the front panel switches select *System Restart?* then press the enter key.

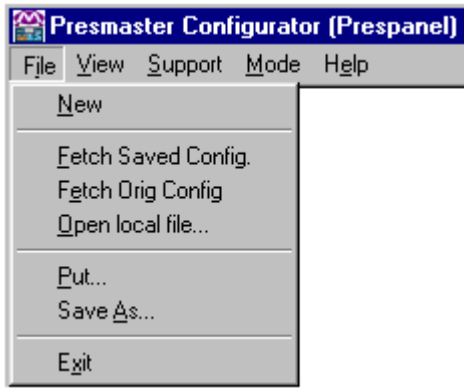
# Creating a new Prespanel config file

Start the program and check that the software is in Prespanel mode.

The software defaults to Prescontrol mode. To configure a Prespanel select *Mode* then **Prespanel**.

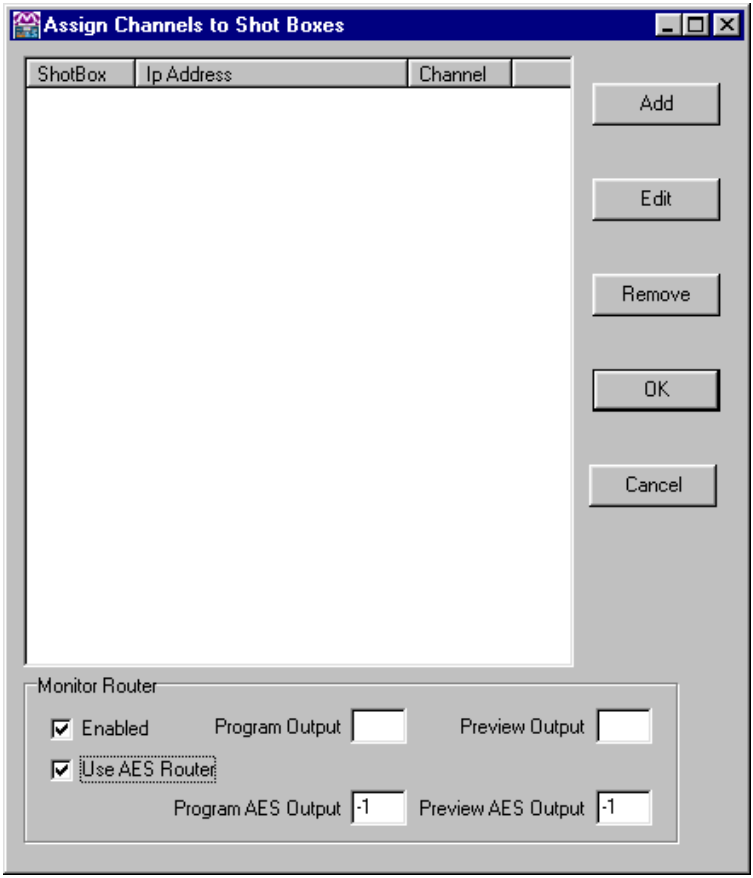



To create a new configuration file click on *File* then **New.**



The **Assign Channels to Shot Boxes** dialog will be displayed.

This assigns the Channel Select buttons CH1 – CH6 and the 24 soft keys on the Prespanel to a Prescontrol channel.



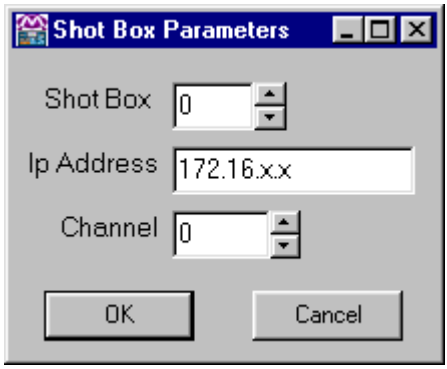

**NOTE: Channel Select buttons CH1-CH6 are equivalent to the first 6 screen softkeys.**

# Assign Channels to Shot Boxes

## Add

From the **Assign Channels to Shot Boxes** window click on the **Add** button.

### Shot Box Parameters




#### *Shot Box*

Assigns the Channel Select button on the Prespanel.

0 =CH1, 1=CH2, 2=CH3, 3=CH4, 4=CH5, 5=CH6……23=CH24

#### *Ip Address*

The CONTROL IP address of the Prescontrol associated with the channel.

#### *Channel*

The channel on the Prescontrol to be associated with the Channel Select button:

0=A (Channel 1)

1=B (Channel 2)

2=C (Channel 3)

3=D (Channel 4)

Click **OK** to continue or **Cancel** to abort.

## Edit

To modify an existing shot box entry either double click on the required number or highlight the entry then click on the **Edit** button.

## Remove

To remove an existing shot box entry select the required shot box number then click on the **Remove** button.

A warning message will then be displayed confirming removal of the selected entry.

## Monitor Router

This feature will only be required if the Monitor Router section of the Channel Configuration Form was enabled in the Prescontrol configuration.

Tick the **Enabled** check box only if the SDI video monitors are connected through the router.

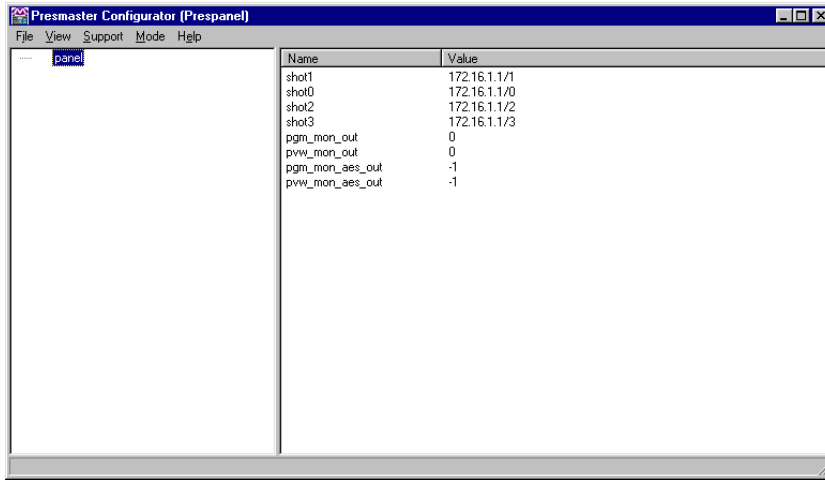
| | |
|---|---|
| Program Output | SDI Router output that connects to the program monitor. |
| Preview Output | SDI Router output that connects to the preview monitor. |

Tick the **Use AES Router** check box only if the AES audio monitors are connected through the router.

| | |
|---|---|
| Program AES Output | AES Router output that connects to the program audio monitor. |
| Preview AES Output | AES Router output that connects to the preview audio monitor. |

Click **OK** to continue or **Cancel** to abort.

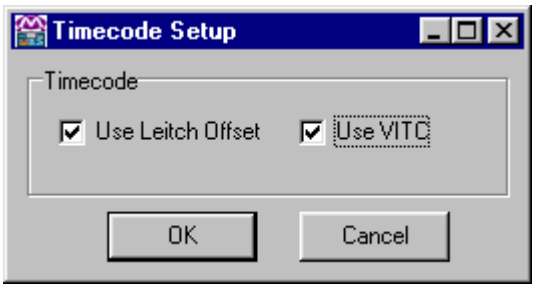
## The basic configuration is now complete.



# Setting timecode

To enable time code support select *View* **Timecode setup**.


The **Timecode Setup Form** dialog box is displayed.

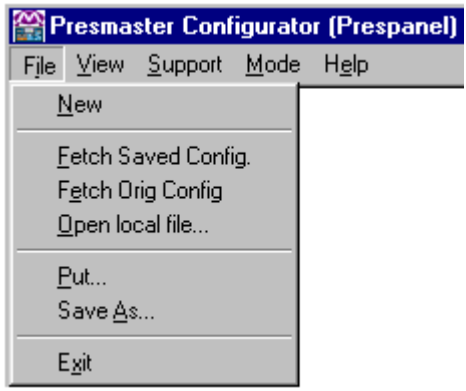



Select the appropriate time code.

Click **OK** to continue or **Cancel** to abort.

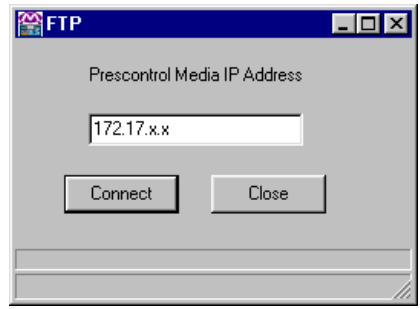
# Transfering a Prespanel configuration file.

To transfer a completed configuration file select *file* **Put**.



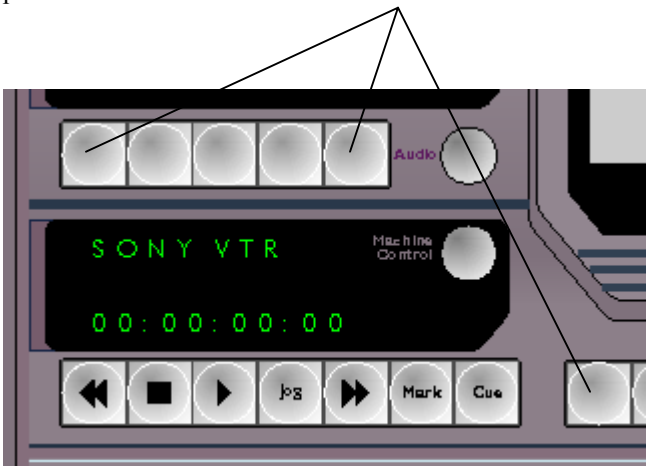

Enter the Media IP address of the Prespanel you wish to transfer the config file to.

Press **Connect** to send or **Close** to abort.




After the file has been transferred reboot the Prespanel.

To restart the Prespanel without disconnecting the power, simultaneously press the 3 buttons shown below.

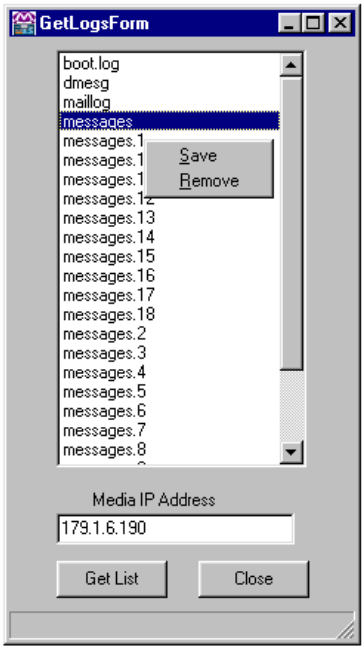


# Get Log files

Kernel log file are generated by both the Prescontrol and Prespanel. These log files monitor system performance and record error messages, which may be helpful in determining system faults or problems.

To retrieve log files select *Mode* **Get Log Files**.


The **GetLogForms** dialog box is then displayed.



Enter the Media IP address of the unit you wish to transfer files from. Once the connection has been established the log files will then be displayed.

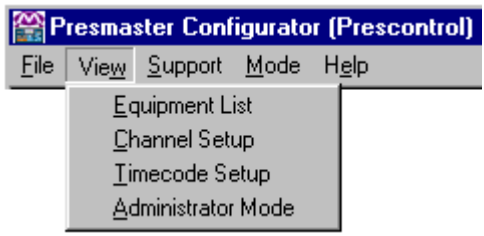
To transfer a file, highlight it with the mouse then click on the right mouse button to open the pop-up window. Selecting **Save** will open the **Save As** dialog box. Select a suitable directory on the PC then click on **Save** to transfer the file or **Cancel** to abort.

To view the log file open with a suitable text editor.

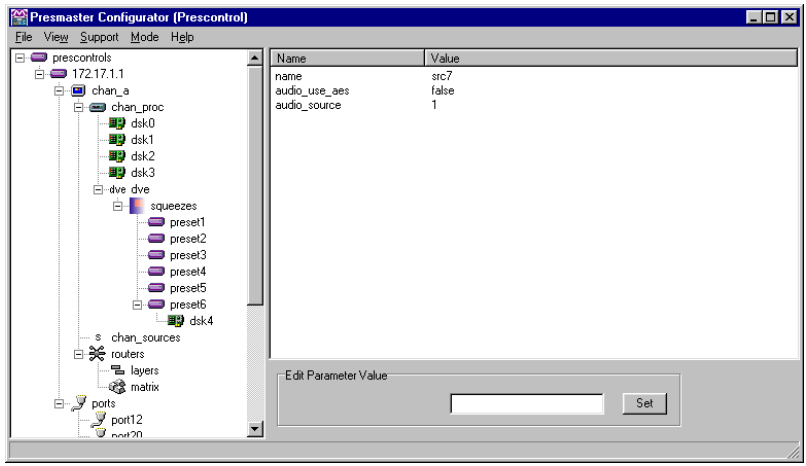
# Administrator Mode

Administrator mode allows editing of all parameters from the main screen. It is a very powerful editing tool that should only be used by experienced users.

To enter administrator mode select *View* **Administrator Mode.**




The main screen changes to display the **Edit Parameters Value** section in the lower right hand panel.

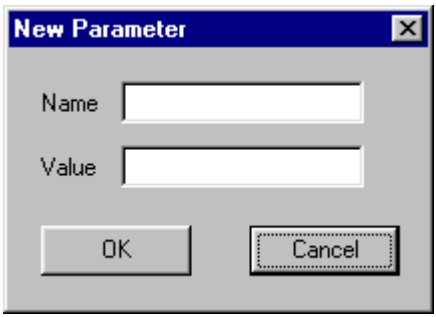


Any value can now be edited from the main screen. Highlight an entry in the Name column with the mouse and the corresponding value is displayed in the **Edit Parameter Values** section. Type in the new value then click on the **Set** button to accept the change.

Alternatively extra sections can be added to the TreeView (left hand panel). To add an extra section highlight the entry in the Treeview that the new section is to appear under, then click the right mouse button to open the pop-up window. Selecting **Add Child Section** will add a *new_section.* Type in the name of the new field.

The new field will have no parameters associated with it. To add parameters select the new field in the left hand panel. Move the mouse to the empty right hand panel then click the right hand mouse button.

The **New Parameters** dialog box is then displayed.




Add the name and value.

Click **OK** to continue or **Cancel** to abort.

To delete entries highlight the object in either panel then click on the right hand mouse button. Select **Delete** or **Delete Section** to remove the entry.

# Software Updates

Updating system software can only be performed in Administrator mode and should only be carried out by experienced users. If in doubt, contact Miranda Technologies Ltd support desk for further help and information.

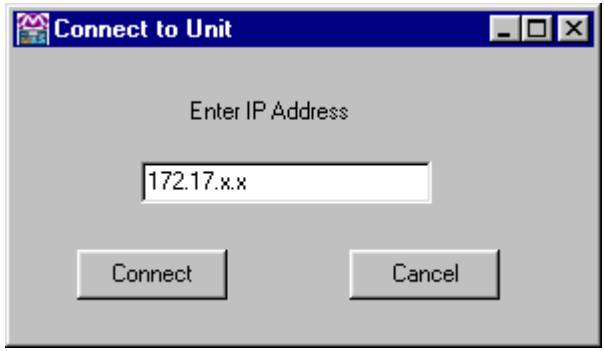
### Warning

This mode is only for updating to interim releases. Full software releases should only be carried out by Miranda Technologies Ltd support staff.

Select the mode according to the unit to be updated, i.e. Precontrol to update a control unit and Prespanel to update a panel.

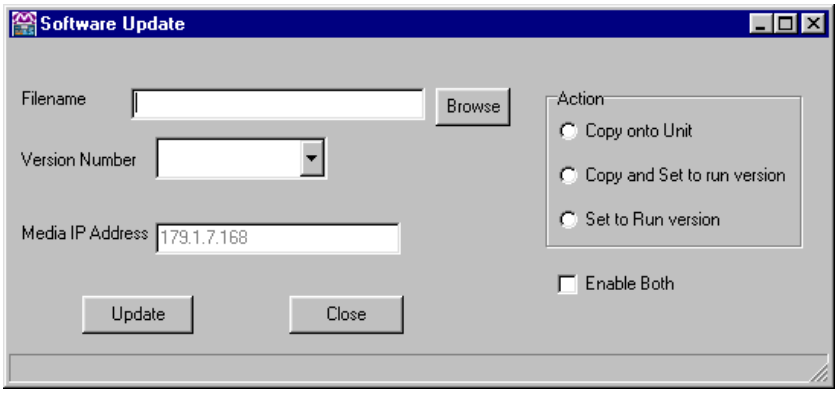
To enter Software Update mode select *Support* **Software Update.**


Enter the Media IP address of the unit to be updated.



Press **Connect** to communicate with the unit or **Cancel** to abort.

The **Software Update** window will now be displayed.




## Filename

Use the browse feature to locate on a local or networked PC the presmaster_X_XX.tgz file, where X_XX is the version number of the software to be installed.

## Version Number

Use the drop down box to display all the previous/current installed software versions on the unit.

## Media IP Address

Displays the media IP Address on the connected unit.

# Action

## Copy onto Unit

Use in conjunction with the *Filename* option to copy a compressed .tgz file onto the unit.

## Copy and Set to run version

Use in conjunction with the *Filename* option to copy a compressed .tgz file onto the unit and set it to run the version. The unit will load the new software after rebooting.

## Set to run version

Use in conjunction with the *Version Number* option to reinstall a previous version of software. The unit will reload the previous software version after rebooting.

## Enable both

If the unit is configured as a panel only system tick the **Enable Both** check box.

Press **Update** to continue installation or **Cancel** to abort.

The file will now be transferred to unit. If either, **Copy and Set to run version** or **Set to run version** have been selected the Presmaster unit must be rebooted for the new software to take effect.

# Support

## Product Support

Miranda Technologies Ltd's support desk exists to provide timely help and advice to Miranda Technologies Ltd users and telephone support is available for the entire life of the product. The support desk may be contacted using any of the following methods.

Telephone: +(44) 1491 820222
(Monday to Friday, 0900-1730 (U.K. times))

Fax: +(44) 1491 820002 (at all times)

E-mail: oxtelsupport@miranda.com (at all times)

Where the query relates to a specific Presmaster Control, make a note of the unit's serial number (on the rear panel) and the software version (displayed on the front panel at boot-up).

### Warranty and Non-Warranty Repairs

Miranda Technologies Ltd provides all products that are sold new with a three-year, return-to-base warranty. Products that are purchased as “ex-demo” may have a limited warranty and reference should be made the original acknowledgement of order or the Product Certificate for warranty details.

A repair service for warranty and non-warranty products provides a typical turnaround time of ten working days. The procedure for returning a unit to Miranda Technologies Ltd is given later in this section.

### Obsolescence

Obsolete products will be supported for a minimum of 3 years from the date of obsolescence. Miranda Technologies Ltd will continue to provide support beyond this period, but will not replenish service stock and is therefore unable to guarantee the availability of every component used.

## Upgrades

Software upgrades are regularly available as part of a continuing commitment to product improvement. Most software upgrades can be performed remotely and customers are kept informed of software and hardware upgrades via Release Notes that are e-mailed to the nominated contact.

Hardware upgrading is normally carried out at Miranda Technologies Ltd's factory and involves full re-testing and QA checks. Refurbishment can also be performed where required but these are not covered by the standard warranty.

## Service Visits

On-site assistance from an Miranda Technologies Ltd Field Service Engineer will be provided assuming adequate notice is given. Service visits are normally chargeable and are not covered by the standard warranty.

## Equipment Loans

A variety of loan agreements are possible and can be arranged with the Engineering Support department through the helpdesk although it is not always possible to fulfil loan requests at short notice.

## Training

Customer training can be provided to match individual requirements. Training can be carried out either at customer premises (preferred option) or at Miranda Technologies Ltd's facility in Oxfordshire where a dedicated demonstration room is available.

Courses can be tailored for either technical or operational staff and these courses can be ordered at the same time as the equipment or at any subsequent time.

## Web Page

Miranda Technologies Ltd's web page can be found at **www.miranda.com**.

## Returns Procedure

Should there be a need to return any Miranda Technologies Ltd product for upgrade or repair, telephone the Helpdesk and request a "return number".

The helpdesk will ask for details of the return including the unit's serial number, reason for return and any fault information. Make sure that these details are to hand when contacting the helpdesk.

Mark the "return number" clearly on any packaging as well as on the return paperwork. Any subsequent correspondence should reference this "return number".

## Transit Packaging

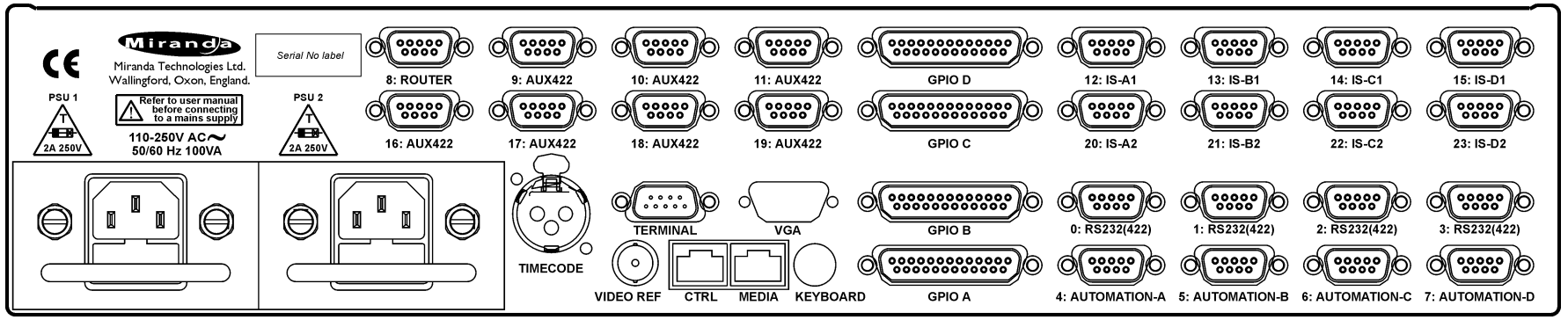
When returning equipment ensure that it is adequately packaged using good quality materials. Particularly ensure that the unit is tightly packed within a strong carton (preferably the original) and avoid common polythene or polystyrene chips, since the product may contain static sensitive devices.

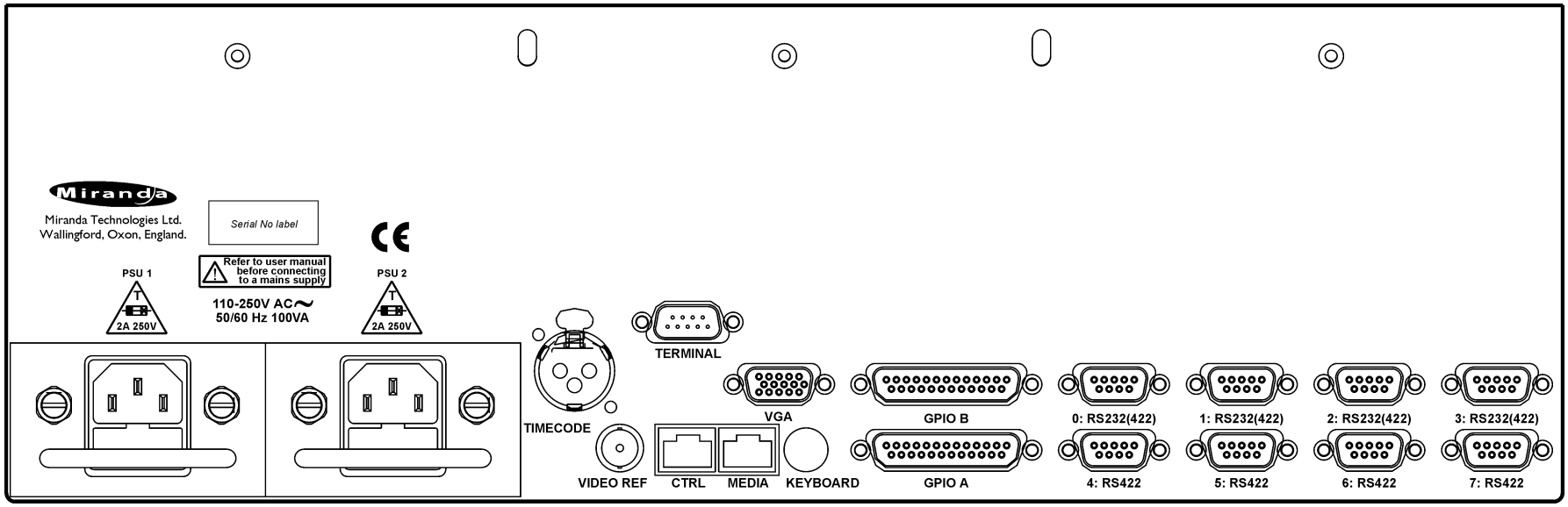
Some components, such as hard drives, may be susceptible to damage by physical shock and caution is required when removing the equipment from racks.

Units received at Miranda Technologies Ltd with obvious damage, not described on the accompanying documentation, or not notified to Miranda Technologies Ltd by the customer, are assumed damaged in transit and this is chargeable. Customers are strongly advised to insure the equipment against damage in transit when returning it to Miranda Technologies Ltd. Should a unit be received from Miranda Technologies Ltd in a damaged state (either new or repaired), this should be reported to both the courier and Miranda Technologies Ltd immediately

# Appendix A

## Rear panel ports



# Appendix B

## Sample Prescontrol config file

```
prescontrols
 {
  172.16.1.1
  {
   channels="1"
   chan_a
   {
    field_rate="50"
    frame_rate="25"
    chan_name="Channel A"
    automation_port="^4"
    chan_proc
    {
     mixer_port="^12"
     mixer_has_dve="true"
     dsks="4"
     dsk0
     {
      has_dve="true"
      layer="0"
      port="^12"
     }
     dsk1
     {
      has_dve="true"
      layer="1"
      port="^12"
     }
     dve
```

```
{
 squeezes
 {
  slow_ms="500"
  med_ms="250"
  fast_ms="100"
  preset1
  {
   x_pos="0.500000"
   y_pos="0.500000"
   x_size="0.500000"
   y_size="0.500000"
   smooth_profile="true"
  }
  preset2
  {
   x_pos="0.200000"
   y_pos="0.200000"
   x_size="0.200000"
   y_size="0.200000"
   smooth_profile="true"
  }
  preset3
  {
   x_pos="0.800000"
   y_pos="0.800000"
   x_size="0.200000"
   y_size="0.200000"
   smooth_profile="true"
  }
  preset4
  {
   x_pos="0.800000"
   y_pos="0.200000"
   x_size="0.200000"
   y_size="0.200000"
   smooth_profile="true"
```

```
    }
    preset5
    {
     x_pos="0.200000"
     y_pos="0.500000"
     x_size="0.370000"
     y_size="0.980000"
     smooth_profile="true"
    }
    preset6
    {
     x_pos="0.500000"
     y_pos="0.450000"
     x_size="0.290000"
     y_size="0.300000"
     smooth_profile="true"
    }
   }
  }
  dsk2
  {
   has_dve="false"
   layer="0"
   port="^20"
  }
  dsk3
  {
   has_dve="false"
   layer="1"
   port="^20"
  }
 }
 routers
 {
  router_mix_a="^8"
  router_op_mix_a="0"
  router_aes_a="0.0.0.0^0"
```

```
router_op_aes_a="-1"
router_mix_b="^8"
router_op_mix_b="0"
router_aes_b="0.0.0.0^0"
router_op_aes_b="-1"
router_aux="0.0.0.0^0"
router_op_aux="-1"
router_aes_aux="0.0.0.0^0"
router_op_aes_aux="-1"
router_mon="0.0.0.0^0"
layers
{
 router_layer_sdi_a="0"
 router_layer_aes_a_0="-1"
 router_layer_aes_a_1="-1"
 router_layer_aes_a_2="-1"
 router_layer_aes_a_3="-1"
 router_layer_sdi_b="0"
 router_layer_aes_b_0="-1"
 router_layer_aes_b_1="-1"
 router_layer_aes_b_2="-1"
 router_layer_aes_b_3="-1"
 router_layer_sdi_aux="-1"
 router_layer_aes_aux_0="-1"
 router_layer_aes_aux_1="-1"
 router_layer_aes_aux_2="-1"
 router_layer_aes_aux_3="-1"
 router_layer_mon_sdi_a="-1"
 router_layer_mon_aes_a="-1"
 router_layer_mon_sdi_b="-1"
 router_layer_mon_aes_b="-1"
}
matrix
{
 router_matrix_sdi_a="0"
 router_matrix_aes_a="-1"
 router_matrix_sdi_b="0"
```

```
  router_matrix_aes_b="-1"
  router_matrix_sdi_aux="-1"
  router_matrix_aes_aux="-1"
  router_matrix_mon_sdi_a="-1"
  router_matrix_mon_aes_a="-1"
  router_matrix_mon_sdi_b="-1"
  router_matrix_mon_aes_b="-1"
 }
}
 chan_sources
 {
 source0="0"
 source1="1"
 source2="2"
 source3="3"
 source4="4"
 source5="5"
 source6="6"
 source7="7"
 }
}
ports
 {
 port12
 {
 device_type="is2"
 has_dve="true"
 dsk_layers="2"
 name="IS-A1"
 comment="channel A imagestore"
 }
 port20
 {
 device_type="is2"
 dsk_layers="2"
 has_dve="false"
 name="IS-A2"
```

```
 comment="channel A downstream"
}
port8
{
 device_type="router"
 device_protocol="probel"
 inputs="8"
 outputs="8"
 num_layers="1"
 num_matrices="1"
 comment="SDI router"
 sources
 {
  source0
  {
   name="NEWS"
   audio_use_aes="false"
   audio_source="1"
   machine="0.0.0.0^0"
   pgm_tally_gpi="-1"
   aux_tally_gpi="-1"
  }
  source1
  {
   name="SOAPS"
   audio_use_aes="false"
   audio_source="1"
   machine="0.0.0.0^0"
   pgm_tally_gpi="-1"
   aux_tally_gpi="-1"
  }
  source2
  {
   name="COMEDY"
   audio_use_aes="false"
   audio_source="1"
   machine="0.0.0.0^0"
```

```
 pgm_tally_gpi="-1"
 aux_tally_gpi="-1"
 }
 source3
 {
 name="SPORT"
 audio_use_aes="false"
 audio_source="1"
 machine="0.0.0.0^0"
 pgm_tally_gpi="-1"
 aux_tally_gpi="-1"
 }
 source4
 {
 name="VTR-1"
 audio_use_aes="false"
 audio_source="1"
 machine="^16"
 pgm_tally_gpi="-1"
 aux_tally_gpi="-1"
 }
 source5
 {
 name="SAT-1"
 audio_use_aes="false"
 audio_source="1"
 machine="0.0.0.0^0"
 pgm_tally_gpi="-1"
 aux_tally_gpi="-1"
 }
 source6
 {
 name="OB-1"
 audio_use_aes="false"
 audio_source="1"
 machine="0.0.0.0^0"
 pgm_tally_gpi="-1"
```

```
      aux_tally_gpi="-1"
     }
     source7
     {
      name="OB-2"
      audio_use_aes="false"
      audio_source="1"
      machine="0.0.0.0^0"
      pgm_tally_gpi="-1"
      aux_tally_gpi="-1"
     }
    }
   }
   port4
   {
    device_type="automation"
    device_protocol="tx-220"
    control_at_startup="true"
    comment="automation"
   }
   port16
   {
    device_type="sony-9pin"
    preroll_ms="250"
    frame_rate="30"
    comment="VTR-1"
   }
  }
 }
}
```