LIMITED WARRANTY

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Limited Warranty service may be obtained by delivering this unit during the one-year warranty period to Rose Electronics or an authorized repair center providing a proof of purchase date. If this Unit is delivered by mail, you agree to insure the Unit or assume the risk of loss or damage in transit, to prepay shipping charges to the warranty service location, and to use the original shipping container or its equivalent. You must call for a return authorization number first. Under no circumstances will a unit be accepted without a return authorization number. Contact an authorized repair center or Rose Electronics for further information.

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NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Subpart J of Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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Disclaimer

While every precaution has been taken in the preparation of this manual, the manufacturer assumes no responsibility for errors or omissions. Neither does the manufacturer assume any liability for damages resulting from the use of the information contained herein. The manufacturer reserves the right to change the specifications, functions, circuitry of the product, and manual content at any time without notice.

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System Introduction

Thank you for choosing the Rose Translator (VGA to DVI Converter/Scaler). The Rose Translator is the result of Rose Electronics commitment to providing state-of-the-art solutions for today’s demanding workplace. The unit allows locations with legacy computers to streamline their operations by converting the video to utilize newer higher-resolution monitors.

The Rose Translator is designed to connect analog graphic cards to DVI compliant digital monitors. Computers, laptops, or other VGA sources with HD15 video connectors can be connected to a DVI video display using the VGA to DVI Converter/Scaler. The video can be scaled up to 1080p Full HD and 1920 x 1200 (WUXGA). An intuitive and comprehensive on-screen display (OSD) menu allows easy set-up and control.

Wide power supply operating range of 6V to 24V DC offers installation flexibility for mobile use, in complex studio systems with a common power supply, and with remotely located power sources. A locking power supply connector, small footprint, and a surface-mountable enclosure facilitate easy and secure installation.

About this manual

This manual covers the installation and operation of the Rose Translator. The Installation Section describes how to connect the unit. The Operation section describes the OSD menus, and the functionality of the dip switch.

Features

- Converts and scales VGA to DVI
- Input resolutions up to 1920 x 1200 (WUXGA)
- Output resolutions up to 1080p60, 2048 x 1080, and 1920 x 1200 (WUXGA)
- On-screen display (OSD) menu allows easy set-up and control
- Aspect Ratio Control: Source, 16:9, 4:3 and Stretch
- Test Pattern Generator for quick system configuration
- Wide power supply operating range (6V to 24V DC)
- Locking power supply connector
- Surface mountable

Package Contents

The package contents consist of the following:
The Rose Translator Unit as ordered
1 x 6 ft. VGA cable (M-M)
1 x 12V Power Supply
Manual
Additional cables are usually ordered separately. If the package contents are not correct, contact Rose Electronics or your reseller so the problem can be quickly resolved.
Rose Translator Models

The Rose Translator comes in a single model as shown below.

Top View

Figure 1. Rose Translator Top View

Front View

Buttons / Connectors:
1. **DVI OUT**: Use a DVI cable to connect a DVI display to this port.
2. ▲, ▼, **MENU**: These push buttons are used to change settings within the on-screen menu system. See the Rose Translator Menu System section on page 4 for more information.

Rear View

Connectors / Indicators:
1. **VGA IN**: Connect included VGA cable from source device (e.g. computer) to this port
2. **USB**: This mini-USB port is reserved for use by Rose Electronics.
3. **12V DC**: Connect included 12V DC power supply to this power receptacle.
4. **PWR**: Under normal operating conditions, this LED indicator will glow bright blue.
Installation

Installation of the Rose Translator is very simple. The steps to do so are outlined below.

1. Connect the included VGA cable from the video source (e.g. a computer) to the VGA IN port on the unit.
2. Connect a DVI cable from the DVI OUT port to a DVI display.
3. Connect the included power supply to the 12V DC power receptacle on the unit, and connect the power unit to an available electrical outlet.

The completed installation will appear as in the figure below.

![VGA Cable and DVI Cable](Image)

*Figure 4. Rose Translator Installation*
Rose Translator Operation

This section deals primarily with the menu system of the Rose Translator and the functionality it provides. In addition, the function of the unit’s dip switch is discussed here.

Rose Translator Menu System

The Rose Translator uses a built-in menu system to manage and control all video features. To display the menu system, press the *MENU* button on the front panel.

![Figure 5. Menu Controls on the Rose Translator](image)

The menu system will be displayed in the upper-left corner of the screen, as shown in the figure below.

![Figure 6. Menu System Display](image)

If the menu system is not used within the time interval specified by the *OSD Timeout* setting, the menu system will be automatically closed. By default, the OSD Timeout setting is 5 seconds. See the *OSD Timeout* section on page 25 for instructions on setting the OSD Timeout value.
Navigating the Menu System

The main menu contains six menu items: Output Setup, Picture, Adjustment, System, Test Patterns and Exit. The currently selected menu item in the main menu will always be highlighted in yellow.

Each menu item within the main menu, with the exception of Exit, contains a submenu. The submenu for a menu item is displayed automatically when the menu item is selected.

Use the ▲ or ▼ button on the front panel to highlight the desired item within the main menu. For example, if the ▼ button is pressed three times, the System menu item is highlighted, and its submenu displayed.

To access the submenu for the highlighted menu item in the main menu, press the MENU button a second time. When a submenu is activated, a green bar is used to indicate the current selection.

Use the ▲ or ▼ button to navigate through the submenu.
Select the highlighted submenu item by pressing the \textit{MENU} button. For example, if the \textit{MENU button} is pressed when the \textit{Input Res. Info} submenu item is highlighted, the menu system is cleared from the screen, and the following will be displayed.

\begin{figure}[h]
\hspace{1cm}
\includegraphics[width=0.5\textwidth]{fig11}
\caption{Selected Submenu Item}
\end{figure}

Press the \textit{MENU button} to return to the menu system.

\begin{figure}[h]
\hspace{1cm}
\includegraphics[width=0.5\textwidth]{fig12}
\caption{Menu System is Redisplayed after Submenu Item Selection}
\end{figure}

To exit the submenu and return to the main menu, use the $\uparrow$ or $\downarrow$ button to highlight the \textit{<- Back} submenu item.

\begin{figure}[h]
\hspace{1cm}
\includegraphics[width=0.5\textwidth]{fig13}
\caption{Going Back to the Main Menu}
\end{figure}

To exit the menu system, use the $\uparrow$ or $\downarrow$ button to highlight the \textit{Exit} option and press the \textit{MENU button}.

\begin{figure}[h]
\hspace{1cm}
\includegraphics[width=0.5\textwidth]{fig14}
\caption{Exiting the Menu System}
\end{figure}
Output Setup Menu Item

The Output Setup menu item has just one item in its submenu. This is the Output Resolution submenu item.

Output Resolution

⚠️ Warning: Prior to changing this setting, ensure that the connected display can support the selected output resolution. If an unsupported resolution is selected, the unit will need to be reset using the dip switch on the bottom of the unit. See the Dip Switch Configuration section on page 31 for more information.

1. Press the MENU button on the front panel of the unit. The Output Setup menu item will be highlighted.

![Output Setup Menu](image1)

2. Press the MENU button to access the Output Setup submenu. The Output Resolution submenu item will be highlighted.

3. Press the MENU button to select the Output Resolution submenu item.

4. The Output Resolution selection box will be displayed.

![Output Resolution Selection Box](image2)

5. Use the ▲ or ▼ button to select the desired resolution. For a list of available output resolutions that are supported by the Rose Translator, see Appendix B- Menu System Summary on page 35.

6. After the desired output resolution is selected, press the MENU button to confirm the change.

7. When the output resolution has changed, the current input and output resolutions will be displayed above the Output Resolution selection box.

![Current Resolution Display](image3)

⚠ Note: The input / output resolution display will only be displayed if Display Notify is set to On. See the Display Notify section on page 26 for more information.

8. After a few seconds the Current Resolution Display will be removed.

9. The Output Resolu. selection box will still be displayed.

![Output Resolution Selection Box With Final Selection](image4)
10. Press the **MENU button** to return to the *Output Setup* menu.

![Figure 19. Return to Output Setup Menu](image)

11. Use the ▲ or ▼ button to select the *< Back* submenu item.
12. Press the **MENU button**.
13. Use the ▲ or ▼ button to select the *Exit* menu item.
14. Press the **MENU button** to exit the main menu.
**Picture Menu Item**

The *Picture* menu item provides several options to set the attributes of the displayed picture. These are described below.

**Contrast**

1. Press the *MENU button* on the front panel of the unit. The *Output Setup* menu item will be highlighted.
2. Use the ▲ or ▼ button to highlight the *Picture* menu item.
3. Press the *MENU button* to display the *Picture* submenu. The *Contrast* submenu item will be highlighted.

![Picture Submenu with Contrast Highlighted](image)

4. Press the *MENU button* to select the *Contrast* submenu item.
5. The *Contrast* selection box will be displayed.

![Contrast Selection Box](image)

6. Use the ▲ or ▼ button to set the desired contrast level.
7. Press the *MENU button* to confirm the change and return to the *Picture* submenu.
8. Use the ▲ or ▼ button to select the `< Back` submenu item.
9. Press the *MENU button*.
10. Use the ▲ or ▼ button to select the *Exit* menu item.
11. Press the *MENU button* to exit the main menu.
Brightness

1. Press the MENU button on the front panel of the unit. The Output Setup menu item will be highlighted.
2. Use the ▲ or ▼ button to highlight the Picture menu item.
3. Press the MENU button to display the Picture submenu. The Contrast submenu item will be highlighted.
4. Use the ▲ or ▼ button to highlight the Brightness submenu item.

![Figure 22. Picture Submenu with Brightness Highlighted](image)

5. Press the MENU button to select the Brightness submenu item.
6. The Brightness selection box will be displayed.

![Figure 23. Brightness Selection Box](image)

7. Use the ▲ or ▼ button to set the desired brightness level.
8. Press the MENU button to confirm the change and return to the Picture submenu.
9. Use the ▲ or ▼ button to select the <- Back submenu item.
10. Press the MENU button.
11. Use the ▲ or ▼ button to select the Exit menu item.
12. Press the MENU button to exit the main menu.
Saturation

1. Press the MENU button on the front panel of the unit. The Output Setup menu item will be highlighted.
2. Use the ▲ or ▼ button to highlight the Picture menu item.
3. Press the MENU button to display the Picture submenu. The Contrast submenu item will be highlighted.
4. Use the ▲ or ▼ button to highlight the Saturation submenu item.

![Figure 24. Picture Submenu with Brightness Highlighted](image)

5. Press the MENU button to select the Saturation submenu item.
6. The Saturation selection box will be displayed.

![Figure 25. Saturation Selection Box](image)

7. Use the ▲ or ▼ button to set the desired saturation level.
8. Press the MENU button to confirm the change and return to the Picture submenu.
9. Use the ▲ or ▼ button to select the <- Back submenu item.
10. Press the MENU button.
11. Use the ▲ or ▼ button to select the Exit menu item.
12. Press the MENU button to exit the main menu.
Hue

1. Press the *MENU button* on the front panel of the unit. The *Output Setup* menu item will be highlighted.
2. Use the ▲ or ▼ button to highlight the *Picture* menu item.
3. Press the *MENU button* to display the *Picture* submenu. The *Contrast* submenu item will be highlighted.
4. Use the ▲ or ▼ button to highlight the *Hue* submenu item.

![Figure 26. Picture Submenu with Hue Highlighted](image)

5. Press the *MENU button* to select the *Hue* submenu item.
6. The *Hue* selection box will be displayed.

![Figure 27. Hue Selection Box](image)

7. Use the ▲ or ▼ button to set the desired hue.
8. Press the *MENU button* to confirm the change and return to the *Picture* submenu.
9. Use the ▲ or ▼ button to select the <- *Back* submenu item.
10. Press the *MENU button*.
11. Use the ▲ or ▼ button to select the *Exit* menu item.
12. Press the *MENU button* to exit the main menu.
Color Range

1. Press the **MENU button** on the front panel of the unit. The **Output Setup** menu item will be highlighted.
2. Use the ▲ or ▼ button to highlight the **Picture** menu item.
3. Press the **MENU button** to display the **Picture** submenu. The **Contrast** submenu item will be highlighted.
4. Use the ▲ or ▼ button to highlight the **Color Range** submenu item.

![Figure 28. Picture Submenu with Color Range Highlighted](image)

5. Press the **MENU button** to select the **Color Range** submenu item.
6. The **Color Range** selection box will be displayed.

![Figure 29. Color Range Selection Box](image)

7. Use the ▲ or ▼ button to select between **Limited** and **Full**.
8. Press the **MENU button** to confirm the change and return to the **Picture** submenu.
9. Use the ▲ or ▼ button to select the <- **Back** submenu item.
10. Press the **MENU button**.
11. Use the ▲ or ▼ button to select the **Exit** menu item.
12. Press the **MENU button** to exit the main menu.
Color Temperature

1. Press the *MENU button* on the front panel of the unit. The *Output Setup* menu item will be highlighted.
2. Use the ▲ or ▼ button to highlight the *Picture* menu item.
3. Press the *MENU button* to display the *Picture* submenu. The *Contrast* submenu item will be highlighted.
4. Use the ▲ or ▼ button to highlight the *Color Temp.* submenu item.

![Figure 30. Picture Submenu with Color Temp. Highlighted](image)

5. Press the *MENU button* to select the *Color Temp.* submenu item.
6. The *Color Temp.* selection box will be displayed.

![Figure 31. Color Temp. Selection Box](image)

7. Use the ▲ or ▼ button to select between *Neutral*, *Cool* and *Warm*.
8. Press the *MENU button* to confirm the change and return to the *Picture* submenu.
9. Use the ▲ or ▼ button to select the <- Back submenu item.
10. Press the *MENU button*.
11. Use the ▲ or ▼ button to select the *Exit* menu item.
12. Press the *MENU button* to exit the main menu.
**Color Balance**

1. Press the *MENU button* on the front panel of the unit. The *Output Setup* menu item will be highlighted.
2. Use the ▲ or ▼ button to highlight the *Picture* menu item.
3. Press the *MENU button* to display the *Picture* submenu. The *Contrast* submenu item will be highlighted.
4. Use the ▲ or ▼ button to highlight the *Color Balance* submenu item.

![Figure 32. Picture Submenu with Color Balance Highlighted](image)

5. Press the *MENU button* to select the *Color Balance*. submenu item.
6. The *Color Balance*. selection box will be displayed.

![Figure 33. Color Balance. Select Color Selection Box](image)

7. Use the ▲ or ▼ button to select between *Red Ch*, *Blue Ch*. and *Green Ch*.
8. Press the *MENU button* to select the color channel to adjust

![Figure 34. Set Color Balance for Selected Color Selection Box](image)

9. Use the ▲ or ▼ button to set the desired color balance setting
10. Press the *MENU button* to confirm the change and return to the *Picture* submenu.
11. Use the ▲ or ▼ button to select the *< Back* submenu item.
12. Press the *MENU button*.
13. Use the ▲ or ▼ button to select the *Exit* menu item.
14. Press the *MENU button* to exit the main menu.
Edge Enhance

1. Press the **MENU button** on the front panel of the unit. The **Output Setup** menu item will be highlighted.
2. Use the ▲ or ▼ button to highlight the **Picture** menu item.
3. Press the **MENU button** to display the **Picture** submenu. The **Contrast** submenu item will be highlighted.
4. Use the ▲ or ▼ button to highlight the **Edge Enhance** submenu item.

![Figure 35. Picture Submenu with Edge Enhance, Highlighted](image)

5. Press the **MENU button** to select the **Edge Enhance** submenu item.
6. The **Edge Enhance** selection box will be displayed.

![Figure 36. Edge Enhance Selection Box](image)

7. Use the ▲ or ▼ button to select between **User**, **Off**, **Mid** and **Max**.
8. Press the **MENU button** to confirm the change and return to the **Picture** submenu.
9. Use the ▲ or ▼ button to select the **<- Back** submenu item.
10. Press the **MENU button**.
11. Use the ▲ or ▼ button to select the **Exit** menu item.
12. Press the **MENU button** to exit the main menu.
Sharpness

1. Press the **MENU button** on the front panel of the unit. The **Output Setup** menu item will be highlighted.
2. Use the ▲ or ▼ button to highlight the **Picture** menu item.
3. Press the **MENU button** to display the **Picture** submenu. The **Contrast** submenu item will be highlighted.
4. Use the ▲ or ▼ button to display the **Sharpness** submenu item.

![Picture Submenu with Sharpness Highlighted](image)

5. Press the **MENU button** to select the **Sharpness** submenu item.
6. The **Sharpness** selection box will be displayed.

![Sharpness Selection Box](image)

7. Use the ▲ or ▼ button to set the sharpness level. Larger values increase the sharpness of the image.
8. Press the **MENU button** to confirm the change and return to the **Picture** submenu.
9. Use the ▲ or ▼ button to select the `< Back` submenu item.
10. Press the **MENU button**.
11. Use the ▲ or ▼ button to select the **Exit** menu item.
12. Press the **MENU button** to exit the main menu.
**Adjustment Menu Item**

The *Adjustment* menu item provides several options to adjust the displayed picture. These are described below.

**Under scan / Over scan**

1. Press the *MENU button* on the front panel of the unit. The *Output Setup* menu item will be highlighted.
2. Use the ▲ or ▼ button to highlight the *Adjustment* menu item.
3. Press the *MENU button* to display the *Adjustment* submenu. The *Under/Over Scan* submenu item will be highlighted.

![Figure 39. Adjustment Submenu with Under/Over Scan Highlighted](image)

4. Press the *MENU button* to select the *Under/Over Scan* submenu item.
5. The *Under/Over Scan* selection box will be displayed.

![Figure 40. Under/Over Scan Selection Box](image)

6. Use the ▲ or ▼ button to set the amount of over scan or under scan. Negative values increase the amount of under scan. Positive values increase the amount of over scan.
7. Press the *MENU button* to confirm the change and return to the *Adjustment* submenu.
8. Use the ▲ or ▼ button to select the *<- Back* submenu item.
9. Press the *MENU button*.
10. Use the ▲ or ▼ button to select the *Exit* menu item.
11. Press the *MENU button* to exit the main menu.
Aspect Ratio

1. Press the MENU button on the front panel of the unit. The Output Setup menu item will be highlighted.
2. Use the ▲ or ▼ button to highlight the Adjustment menu item.
3. Press the MENU button to display the Adjustment submenu. The Under/Over Scan submenu item will be highlighted.
4. Use the ▲ or ▼ button to highlight the Aspect Ratio submenu item.

5. Press the MENU button to select the Aspect Ratio submenu item.
6. The Aspect Ratio selection box will be displayed.

7. Use the ▲ or ▼ button to select between Source, 16:9, 4:3 and Stretch.
8. Press the MENU button to confirm the change and return to the Adjustment submenu.
9. Use the ▲ or ▼ button to select the <- Back submenu item.
10. Press the MENU button.
11. Use the ▲ or ▼ button to select the Exit menu item.
12. Press the MENU button to exit the main menu.
Horizontal Mirror
1. Press the MENU button on the front panel of the unit. The Output Setup menu item will be highlighted.
2. Use the ▲ or ▼ button to highlight the Adjustment menu item.
3. Press the MENU button to display the Adjustment submenu. The Under/Over Scan submenu item will be highlighted.
4. Use the ▲ or ▼ button to highlight the H-Mirror submenu item.

Figure 43. Adjustment Submenu with H-Mirror Highlighted

5. Press the MENU button to select the H-Mirror submenu item.
6. The H-Mirror selection box will be displayed.

Figure 44. Horizontal Mirror Selection Box

7. Use the ▲ or ▼ button to toggle between On and Off. When Horizontal Mirror is set to On, the picture will be flipped horizontally (about the Y-axis).

Figure 45. Horizontal Mirror for an Image

8. Press the MENU button to confirm the change and return to the Adjustment submenu.
9. Use the ▲ or ▼ button to select the <- Back submenu item.
10. Press the MENU button.
11. Use the ▲ or ▼ button to select the Exit menu item.
12. Press the MENU button to exit the main menu.
Vertical Mirror

1. Press the **MENU button** on the front panel of the unit. The *Output Setup* menu item will be highlighted.
2. Use the ▲ or ▼ button to highlight the *Adjustment* menu item.
3. Press the **MENU button** to display the *Adjustment* submenu. The *Under/Over Scan* submenu item will be highlighted.
4. Use the ▲ or ▼ button to highlight the *V-Mirror* submenu item.

![Figure 46. Adjustment Submenu with V-Mirror Highlighted](image)

5. Press the **MENU button** to select the *V-Mirror* submenu item.
6. The *V-Mirror* selection box will be displayed.

![Figure 47. Vertical Mirror Selection Box](image)

7. Use the ▲ or ▼ button to toggle between **On** and **Off**. When Vertical Mirror is set to **On**, the picture will be flipped vertically (about the X-axis).

![Figure 48. Vertical Mirror for an Image](image)

8. Press the **MENU button** to confirm the change and return to the *Adjustment* submenu.
9. Use the ▲ or ▼ button to select the ← **Back** submenu item.
10. Press the **MENU button**.
11. Use the ▲ or ▼ button to select the **Exit** menu item.
12. Press the **MENU button** to exit the main menu.
Horizontal Shift

1. Press the **MENU button** on the front panel of the unit. The **Output Setup** menu item will be highlighted.
2. Use the ▲ or ▼ button to highlight the **Adjustment** menu item.
3. Press the **MENU button** to display the **Adjustment** submenu. The **Under/Over Scan** submenu item will be highlighted.
4. Use the ▲ or ▼ button to highlight the **H-Shift** submenu item.

![Figure 49. Adjustment Submenu with H-Shift Highlighted](image)

5. Press the **MENU button** to select the **H-Shift** submenu item.
6. The **H-Shift** selection box will be displayed.

![Figure 50. Horizontal Shift Selection Box](image)

7. Use the ▲ or ▼ button to shift the picture left or right. Negative values move the image to the left. Positive values move the image to the right.
8. Press the **MENU button** to confirm the change and return to the **Adjustment** submenu.
9. Use the ▲ or ▼ button to select the **<- Back** submenu item.
10. Press the **MENU button**.
11. Use the ▲ or ▼ button to select the **Exit** menu item.
12. Press the **MENU button** to exit the main menu.
Vertical Shift
1. Press the *MENU button* on the front panel of the unit. The *Output Setup* menu item will be highlighted.
2. Use the ▲ or ▼ button to highlight the *Adjustment* menu item.
3. Press the *MENU button* to display the *Adjustment* submenu. The *Under/Over Scan* submenu item will be highlighted.
4. Use the ▲ or ▼ button to highlight the *V-Shift* submenu item.

![Figure 51. Adjustment Submenu with V-Shift Highlighted](image)

5. Press the *MENU button* to select the *V-Shift* submenu item.
6. The *V-Shift* selection box will be displayed.

![Figure 52. Vertical Shift Selection Box](image)

7. Use the ▲ or ▼ button to shift the picture up or down. Negative values move the image upwards. Positive values move the image downwards.
8. Press the *MENU button* to confirm the change and return to the *Adjustment* submenu.
9. Use the ▲ or ▼ button to select the <- Back submenu item.
10. Press the *MENU button*.
11. Use the ▲ or ▼ button to select the *Exit* menu item.
12. Press the *MENU button* to exit the main menu.
Phase
1. Press the *MENU button* on the front panel of the unit. The *Output Setup* menu item will be highlighted.
2. Use the ▲ or ▼ button to highlight the *Adjustment* menu item.
3. Press the *MENU button* to display the *Adjustment* submenu. The *Under/Over Scan* submenu item will be highlighted.
4. Use the ▲ or ▼ button to highlight the *Phase* submenu item.

![Figure 53. Adjustment Submenu with Phase Highlighted](image)

5. Press the *MENU button* to select the *Phase* submenu item.
6. The *Phase* selection box will be displayed.

![Figure 54. Phase Selection Box](image)

7. Use the ▲ or ▼ button to adjust the phase.
8. Press the *MENU button* to confirm the change and return to the *Adjustment* submenu.
9. Use the ▲ or ▼ button to select the *<- Back* submenu item.
10. Press the *MENU button*.
11. Use the ▲ or ▼ button to select the *Exit* menu item.
12. Press the *MENU button* to exit the main menu.
**System Menu Item**

The System menu item provides several options that affect the Rose Translator. These are described below.

**OSD Timeout**

1. Press the **MENU button** on the front panel of the unit. The Output Setup menu item will be highlighted.
2. Use the ▲ or ▼ button to highlight the System menu item.
3. Press the **MENU button** to display the System submenu. The OSD Timeout submenu item will be highlighted.

![System Submenu with OSD Timeout Highlighted](image)

4. Press the **MENU button** to select the OSD Timeout submenu item.
5. The **OSD Timeout** selection box will be displayed.

![OSD Timeout Selection Box](image)

6. Use the ▲ or ▼ button to set the OSD Timeout to **Off**, or from any time interval between 5 and 60 seconds, inclusive. The default setting is 5 seconds.
7. Press the **MENU button** to confirm the change and return to the System submenu.
8. Use the ▲ or ▼ button to select the **< Back** submenu item.
9. Press the **MENU button**.
10. Use the ▲ or ▼ button to select the **Exit** menu item.
11. Press the **MENU button** to exit the main menu.
Display Notify

1. Press the **MENU button** on the front panel of the unit. The *Output Setup* menu item will be highlighted.
2. Use the ▲ or ▼ button to highlight the **System** menu item.
3. Press the **MENU button** to display the **System** submenu. The *OSD Timeout* submenu item will be highlighted.
4. Use the ▲ or ▼ button to highlight the **Display Notify** submenu item.

![Figure 57. System Submenu with Display Notify Highlighted](image)

5. Press the **MENU button** to select the **Display Notify** submenu item.
6. The **Display Notify** selection box will be displayed.

![Figure 58. Display Notify Selection Box](image)

7. Use the ▲ or ▼ button to toggle between **On** and **Off**. When **Display Notify** is set to **On**, the input / output resolution information dialog is displayed momentarily when the unit is disconnected from the source or display. The Current Resolution Display (Figure 17) shown on page 7 is displayed. In addition, the Output Resolution (page 7) also triggers the Current Resolution Display. When set to **Off**, this display is never shown.
8. Press the **MENU button** to confirm the change and return to the **System** submenu.
9. Use the ▲ or ▼ button to select the **<- Back** submenu item.
10. Press the **MENU button**.
11. Use the ▲ or ▼ button to select the **Exit** menu item.
12. Press the **MENU button** to exit the main menu.
**Input Resolution Information**

1. Press the *MENU button* on the front panel of the unit. The *Output Setup* menu item will be highlighted.
2. Use the ▲ or ▼ button to highlight the *System* menu item.
3. Press the *MENU button* to display the *System* submenu. The *OSD Timeout* submenu item will be highlighted.
4. Use the ▲ or ▼ button to highlight the *Input Res. Info* submenu item.

![System Submenu with Input Res. Info Highlighted](image)

5. Press the *MENU button* to select the *Input Res. Info* submenu item.
6. The current input resolution will be displayed in the *Input Res. Info* display box.

![Input Res. Info Display Box](image)

7. Press the *MENU button* to confirm the change and return to the *System* submenu.
8. Use the ▲ or ▼ button to select the *<- Back* submenu item.
9. Press the *MENU button*.
10. Use the ▲ or ▼ button to select the *Exit* menu item.
11. Press the *MENU button* to exit the main menu.
**Firmware Version**

1. Press the *MENU button* on the front panel of the unit. The *Output Setup* menu item will be highlighted.
2. Use the ▲ or ▼ button to highlight the *System* menu item.
3. Press the *MENU button* to display the *System* submenu. The *OSD Timeout* submenu item will be highlighted.
4. Use the ▲ or ▼ button to highlight the *F/W Version* submenu item.

![System Submenu with F/W Version Highlighted](image)

5. Press the *MENU button* to select the *F/W Version* submenu item.
6. The current version of firmware on the unit will be displayed in the *F/W Version* display box.

![F/W Version Display Box](image)

7. Press the *MENU button* to confirm the change and return to the *System* submenu.
8. Use the ▲ or ▼ button to select the *<- Back* submenu item.
9. Press the *MENU button*.
10. Use the ▲ or ▼ button to select the *Exit* menu item.
11. Press the *MENU button* to exit the main menu.
Factory Reset

1. Press the **MENU button** on the front panel of the unit. The *Output Setup* menu item will be highlighted.
2. Use the ▲ or ▼ button to highlight the *System* menu item.
3. Press the **MENU button** to display the *System* submenu. The *OSD Timeout* submenu item will be highlighted.
4. Use the ▲ or ▼ button to highlight the *Factory Reset* submenu item.

![Figure 63. System Submenu with Factory Reset Highlighted](image)

5. Press the **MENU button** to select the *Factory Reset* submenu item.
6. The *Factory Reset* selection box will be displayed.

![Figure 64. Factory Reset Selection Box](image)

7. Use the ▲ or ▼ to toggle between *No* and *Yes*.
   a. If *Yes* is selected, then the unit will reset to factory-default settings and then automatically reboot.
   b. If *No* is selected, then the unit will return to the *System* submenu
      i. Use the ▲ or ▼ button to select the *<- Back* submenu item.
      ii. Press the **MENU button**.
      iii. Use the ▲ or ▼ button to select the *Exit* menu item.
      iv. Press the **MENU button** to exit the main menu.
Test Patterns Menu Item

The Test Patterns menu item generates test patterns for the Rose Translator. The various test patterns are invoked from the submenu items. The Test Pattern menu item is described below.

1. Press the MENU button on the front panel of the unit. The Output Setup menu item will be highlighted.
2. Use the ▲ or ▼ button to highlight the Test Patterns menu item.
3. Press the MENU button to display the Test Patterns submenu. The White submenu item will be highlighted.

4. Use the ▲ or ▼ button to highlight the desired test pattern.
5. Press the MENU button to select the highlighted test pattern.

6. Press the MENU button to returns to the Test Patterns submenu and select a different pattern.
7. To disable the pattern and view the source image, select Off from the Test Patterns submenu.
Dip Switch Configuration

On the bottom panel of the Video Converter / Scaler is a single dip switch. Remove the piece of colored tape to reveal the dip switch bank.

By default, the dip switch is in the OFF (1) position. The dip switch should remain in this position during normal operation.

<table>
<thead>
<tr>
<th>Dip Switch</th>
<th>Description</th>
<th>Position</th>
</tr>
</thead>
</table>
| 1          | Factory Reset: Toggle the dip switch from the OFF (1) position to the ON position, then back to the OFF (1) position | ![Position]
|            | Normal Operation: Dip switch is in the OFF (1) position | ![Position] |

Table 1. Dip Switch Configuration
SAFETY

Safety
The Rose Translator, like all electronic equipment, should be used with care. To protect yourself from possible injury and to minimize the risk of damage to the Unit, read and follow these safety instructions.

Follow all instructions and warnings marked on this Unit.
Except where explained in this manual, do not attempt to service this Unit yourself.
Do not use this Unit near water.
Assure that the placement of this Unit is on a stable surface.
Provide proper ventilation and air circulation.
Keep connection cables clear of obstructions that might cause damage to them.
Use only power cords, power adapter and connection cables designed for this Unit.
Keep objects that might damage this Unit and liquids that may spill, clear from this Unit. Liquids and foreign objects might come in contact with voltage points that could create a risk of fire or electrical shock.
Do not use liquid or aerosol cleaners to clean this Unit. Always unplug this Unit from the power source before cleaning.
Remove power from the Unit and refer servicing to a qualified service center if any of the following conditions occur:
- The connection cables are damaged or frayed.
- The Unit has been exposed to any liquids.
- The Unit does not operate normally when all operating instructions have been followed.
- The Unit has been dropped or the case has been damaged.
- The Unit exhibits a distinct change in performance, indicating a need for service.
Maintenance and Repair

This Unit does not contain any internal user-serviceable parts. In the event a Unit needs repair or maintenance, you must first obtain a Return Authorization (RA) number from Rose Electronics or an authorized repair center. This Return Authorization number must appear on the outside of the shipping container.

See Limited Warranty for more information.

When returning a Unit, it should be double-packed in the original container or equivalent, insured and shipped to:

Rose Electronics
Attn: RA _________
10707 Stancliff Road
Houston, Texas 77099 USA

Technical Support

If you are experiencing problems, or need assistance in setting up, configuring or operating your Rose Translator, consult the appropriate sections of this manual. If, however, you require additional information or assistance, please contact the Rose Electronics Technical Support Department at:

Phone: (281) 933-7673
E-mail: TechSupport@rose.com
Web: www.rose.com

Technical Support hours are from: 8:00 am to 6:00 pm CST (USA), Monday through Friday.

Please report any malfunctions in the operation of this Unit or any discrepancies in this manual to the Rose Electronics Technical Support Department.
### Appendix A - Specifications

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNV-VGADVISC</td>
<td>Rose Translator (VGA to DVI Converter/Scaler)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Width (in/mm)</th>
<th>Depth (in/mm)</th>
<th>Height (in/mm)</th>
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</thead>
<tbody>
<tr>
<td>Chassis</td>
<td>4.9 / 123</td>
<td>3.2 / 82</td>
<td>1 / 26</td>
</tr>
<tr>
<td>Weight</td>
<td>0.4 lbs (0.2kg)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Video
- **Input Interface**: VGA
- **Output Interface**: DVI
- **Maximum Input Resolution**: 1920 x 1200 @ 60Hz
- **Maximum Output Resolution**: 1920 x 1200 @ 60Hz, 2048 x 1080 @ 60Hz
- **Maximum Pixel Clock**: 165 MHz
- **Maximum TDMS Clock**: 165 MHz

#### Connectors
- **Video input**: VGA, HD15 female
- **Video output**: DVI-I female (digital only)
- **Firmware update**: USB Mini-B
- **Power**: 3 pin locking

#### Environmental
- **Operating Temp**: 32 to 122°F (0 to 50°C)
- **Storage Temp**: -4 to 185°F (-20 to 85°C)
- **Relative Humidity**: Max. 95% non-condensing

#### Power
- **Input**: 100 – 240VAC, 50 – 60Hz
- **Output**: 12VDC, 1.5A

*Table 2. Rose Translator Specifications*
Appendix B- Menu System Summary

This section displays the submenu systems of each menu item in the menu system.

Note: In each of the figures below, the boxes in green indicate the default setting.

Output Setup Menu

Figure 68. Output Setup Submenu System

† Denotes output resolution that supports reduced blanking

⚠ Important:
Note the following frequency information:
23 Hz = 23.98 Hz
29 Hz = 29.97 Hz
59 Hz = 59.94 Hz
Picture Menu

Figure 69. Picture Submenu System
Adjustment Menu

Figure 70. Adjustment Submenu System
System Menu

SYSTEM

- OSD TIMEOUT: [Off, 5... 60]
- DISP. NOTIFY: On, Off
- INPUT RES. INFO: Display Info
- FIRMWARE VER.: Display Info
- FACTORY RESET: Yes, No
- BACK

Figure 71. System Submenu System
Test Patterns Menu

Figure 72. Test Patterns Submenu System

Exit Menu System

Figure 73. Exit Submenu System
### Appendix C – Default Settings

<table>
<thead>
<tr>
<th>Setting</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Aspect Ratio</td>
<td>Source</td>
</tr>
<tr>
<td>Brightness</td>
<td>50</td>
</tr>
<tr>
<td>Color Balance (Blue Channel)</td>
<td>50</td>
</tr>
<tr>
<td>Color Balance (Green Channel)</td>
<td>50</td>
</tr>
<tr>
<td>Color Balance (Red Channel)</td>
<td>50</td>
</tr>
<tr>
<td>Color Range</td>
<td>Limited</td>
</tr>
<tr>
<td>Color Temperature</td>
<td>Neutral</td>
</tr>
<tr>
<td>Contrast</td>
<td>50</td>
</tr>
<tr>
<td>Display Notifications</td>
<td>On</td>
</tr>
<tr>
<td>Edge Enhancement</td>
<td>Off</td>
</tr>
<tr>
<td>Horizontal Mirror</td>
<td>Off</td>
</tr>
<tr>
<td>Horizontal Shift</td>
<td>Off</td>
</tr>
<tr>
<td>Hue</td>
<td>50</td>
</tr>
<tr>
<td>OSD Timeout</td>
<td>5 seconds</td>
</tr>
<tr>
<td>Output Resolution</td>
<td>Auto-Detect</td>
</tr>
<tr>
<td>Phase</td>
<td>Auto</td>
</tr>
<tr>
<td>Saturation</td>
<td>50</td>
</tr>
<tr>
<td>Sharpness</td>
<td>0</td>
</tr>
<tr>
<td>Test Patterns</td>
<td>Off</td>
</tr>
<tr>
<td>Under/Over Scan</td>
<td>Off</td>
</tr>
<tr>
<td>Vertical Mirror</td>
<td>Off</td>
</tr>
<tr>
<td>Vertical Shift</td>
<td>Off</td>
</tr>
</tbody>
</table>

*Table 3. Default Menu Settings*
Appendix D- Surface Mounting Instructions

The Rose Translator can be mounted on any flat surface in the manner displayed in Figure 74 below (screws not included). There should be an inch or two of clearance between the edges of the unit and any walls or vertical surfaces to allow for sufficient clearance for the connection and disconnection of the VGA and DVI cables.

For installation on a drywall surface, use a #6 drywall screw. When installing, it is recommended to use the center hole on a stud.

Figure 74. Mounting the Rose Translator