INSTALLATION
AND
OPERATIONS
MANUAL

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LIMITED WARRATY

Rose Electronics warrants the Translator ^{TM} to be in good working order for one year from the date of purchase from Rose Electronics or an authorized dealer. Should this product fail to be in good working order at any time during this one year warranty period, Rose Electronics will, at its option, repair or replace the Unit as set forth below. Repair parts and replacement units will be either reconditioned or new. All replaced parts become the property of Rose Electronics. This limited warranty does not include service to repair damage to the Unit resulting from accident, disaster, abuse, or unauthorized modification of the Unit, including static discharge and power surges.

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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FCC WARNING NOTE

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to 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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Rose Electronics Part # MAN-TL
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INTRODUCTION

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, or circuitry of the product without notice.

The manufacturer cannot accept liability for damages due to misuse of the product or other circumstances outside the manufacturer's control. The manufacturer will not be responsible for any loss, damage, or injury arising directly or indirectly from the use of this product.

System introduction

Thank you for choosing the Rose Electronics® Translator™. The Translator is a very versatile converter that will allow you to connect your Apple ADB, SUN, DEC Alpha, and SGI Onyx computer to Rose KVM switches and extenders that do not support these computer types.

The Translator uses power from the KVM switch or computer so no external power is required. Just plug it in, and it turns any PC KVM switch into a multi-platform switch.

Sun versions can be programmed to emulate any language. The Apple and Sun versions both support power-on from the keyboard.

Features

- Connects Sun, Apple, DEC Alpha, and SGI Onyx computers to Rose, or other KVM switches
- Compatible with all Rose products with DB25 connectors such as Vista, ServeView Pro, UltraView Pro, MultiVideo, MultiStation, ClassView, and others
- Installs easily between a switch and UltraCable
- Uses UltraCable™ for superior cable management with lengths up to 100 feet
- Supports Apple and Sun power-on function from the keyboard
- Uses extra keys on Windows keyboard to map to extra keys on Apple and Sun keyboards
- Optional support for all Sun international keyboards
- LED indicator shows that power is being received
- Flow through video simplifies wiring
- Uses power from the KVM switch or CPU, no external power required

Installation

The Translator is easily installed by connecting the switch side of the Translator to the DB25F connector on a Rose KVM switch. Connect the computer side of the Translator to the DB25 connector on the UltraCable. Plug the computer side of the UltraCable into the corresponding computer connectors. No external power is required.

After installing, configure the KVM switch port to support a PC mode-3 keyboard and a PS/2 mouse. If you have a Sun model and are using other than a US keyboard then you can configure the Sun unit for the proper language. The product installation and configuration is now complete.

Apple and Sun emulation with a Windows keyboard

Full keyboard emulation by the Translator for Apple and SUN requires the use of a 104 / 105 Windows keyboard. Using this keyboard style, the keys are mapped from the keyboard to the Apple or SUN computer.

The following table shows the 104 / 105 keyboard mapping.

104 / 105 keyboard	Apple key	SUN key
Left control	Left control	Left control
Left Windows start	Left Apple	Left meta
Left Alt	Left option	Left Alt
Right Alt/Alt graph	Right option	Alt graph
Right Windows start	Right cloverleaf	Right meta
Right Windows App	Power key	Power key
Right control	Left control	Compose

DEC Alpha version

This version is for DEC Alpha models which use a DB15 connector for the keyboard and mouse. The DB15 connector on the keyboard and mouse cable goes to a connection box. This connection box has a mini-din7 and an RJ4 conductor jack. The keyboard and mouse plug into these connectors. Newer DEC Alpha models use PC keyboard and PS/2 mouse and the Translator is not needed for these models. You will need a DEC 108-key keyboard with a PC keyboard interface such as the DEC LK461 keyboard to access the special DEC keys, such as F13, F14, F15, etc.

SGI Onyx version

This version of the Translator is for SGI Onyx models that have a single mini-din6 connector on the computer. The mini-din 6 cable goes to the keyboard and the mouse plugs in directly to the keyboard. This is compatible with SGI Onyx, Crimson, and Personal Iris computers using a model 9500801 keyboard. Since the layout of this keyboard is identical to a PC keyboard it maps directly.

Cables

The following table shows the cable options for connecting to the Translator.

Part number	Description
CAB-AV0400Cnnn	Apple DB15M / MD4M
CAB-C1AV0400CAnnn	AppleDB15M / MD4M / (2) 3.5 mm audio
CAB-SCX0800Cnnn	SUN 13W3M / MD8M
CAB-CXV0800Cnnn	SUN HD15M / MD8M

SERVICE

Service Information

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 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.

Safety

The Translator has been tested for conformance to safety regulations and requirements, and has been certified for international use. Like all electronic equipment, the Translator 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 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 KVM switch and computer before cleaning.

Appendix A- General Specifications

Size	2"W X 2.5" D X 0.75" H
Weight	2 oz (not including cabling)
Power	From switch or computer
Connectors	Switch: DB25 Male
	Computer: DB25 Female
Video	Pass through
Chassis	Painted steel with graphic label
Indicators	Power LED
Environment	0 to 55° C, 0-80% non-condensing relative humidity

Appendix B- Parts and Cables

CNV-MACPS	Translator for Apple keyboard/mouse
CNV-SUNPS	Translator, Sun keyboard/mouse
CNV-DECPS	Translator, DEC Alpha keyboard/mouse
CNV-SGIPS	Translator, SGI Onyx keyboard/mouse