

**RACKMUX® Series**

# **RACKMUX-US17**

(Formerly RACKMUX-SUN-USB-17)

**Rack Mount KVM Drawer with SUN USB  
KEYBOARD**

**Installation and Operation Manual**

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## Warranty Information

The warranty period on this product (parts and labor) is one (1) year from the date of purchase. Please contact Network Technologies Inc at **(800) 742-8324** (800-RGB-TECH) or **(330) 562-7070** or visit our website at <http://www.nti1.com> for information regarding repairs and/or returns. A return authorization number is required for all repairs/returns.

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## INTRODUCTION

The RACKMUX-US17 (formerly referred to as RACKMUX-SUN-USB-17) Rack Mount KVM Drawer with SUN USB Keyboard (RACKMUX) provides convenient, space-saving control. Combining a SUN USB keyboard, 3-button trackball and 17" LCD monitor in a low 1RU (1.75") profile saves space in server-intensive applications. Connect this compact data entry device to a USB CPU or UNIMUX USB KVM switch for convenient control of all attached CPUs.

**OPTIONAL:** RACKMUX-US19 - Rack Mount KVM Drawer with SUN USB Keyboard and 19" LCD monitor.

The RACKMUX LCD monitor is ideal for SUN applications. It will sync with most SUN resolutions including 1152 x 900 @ 66 or 76Hz. The SUN USB keyboard with 3-button trackball was custom-built in conjunction with Sun Microsystems to work with SUN systems. It incorporates SUN keys and features an outstanding keystroke feel.

This unit was designed around military standards, and is currently used in Humvees, Coast Guard boats and military aircraft. The high-quality metal construction and heavy-duty key components make it perfect for almost all industrial and commercial settings.

## Features

### Keyboard/Trackball

- USB connector
- 3-button trackball
- Incorporates SUN keys, including Stop, Cut, Paste, Compose, Copy, and Help

### Monitor

- Male HD15 VGA connector
- Active Matrix TFT color LCD High Resolution Flat Panel Monitor
- 17" (or 19") diagonal screen size
- Will sync with most Sun resolutions, including 1152 x 900 @ 66 or 76Hz
- 1280x1024 native video resolution
- Sync Frequency: Horz 31.5 KHz-80 KHz, Vert 56-76 Hz
- Video auto-adjust for optimum image quality
- OSD controls for brightness, contrast, frequency, tracking, horizontal- and vertical-center alignment, and color adjustment.
- 250 nits brightness and 400:1 contrast ratio typical.
- NEMA sealed front 2mm glass protects the LCD panel.

### Hosts

- Compatible with USB SUN, Windows, Apple, IBM and HP CPUs.
- Use with NTI UNIMUX KVM Switch to control USB-enabled PC, SUN and MAC CPUs.

### More

- This rack mount monitor and keyboard drawer has been tested and approved by SUN, and is resold by Sun in the UK, France and Australia.
- Designed to fit in a standard 19" rack/cabinet.
- Easy to install.
- Fits all current SUN racks. Fits 24" to 36" rack depths via adjustable mounting brackets.
- Large, slide-out wrist rest.
- Monitor has several locking positions while in use, and a lock-down mechanism for when not in use.
- LCD power-up when raised.

See our catalog, visit our website at <http://www.nti1.com>, or contact an NTI sales representative at 800-742-8324 (800-RGB-TECH) or 330-562-7070 for more details.

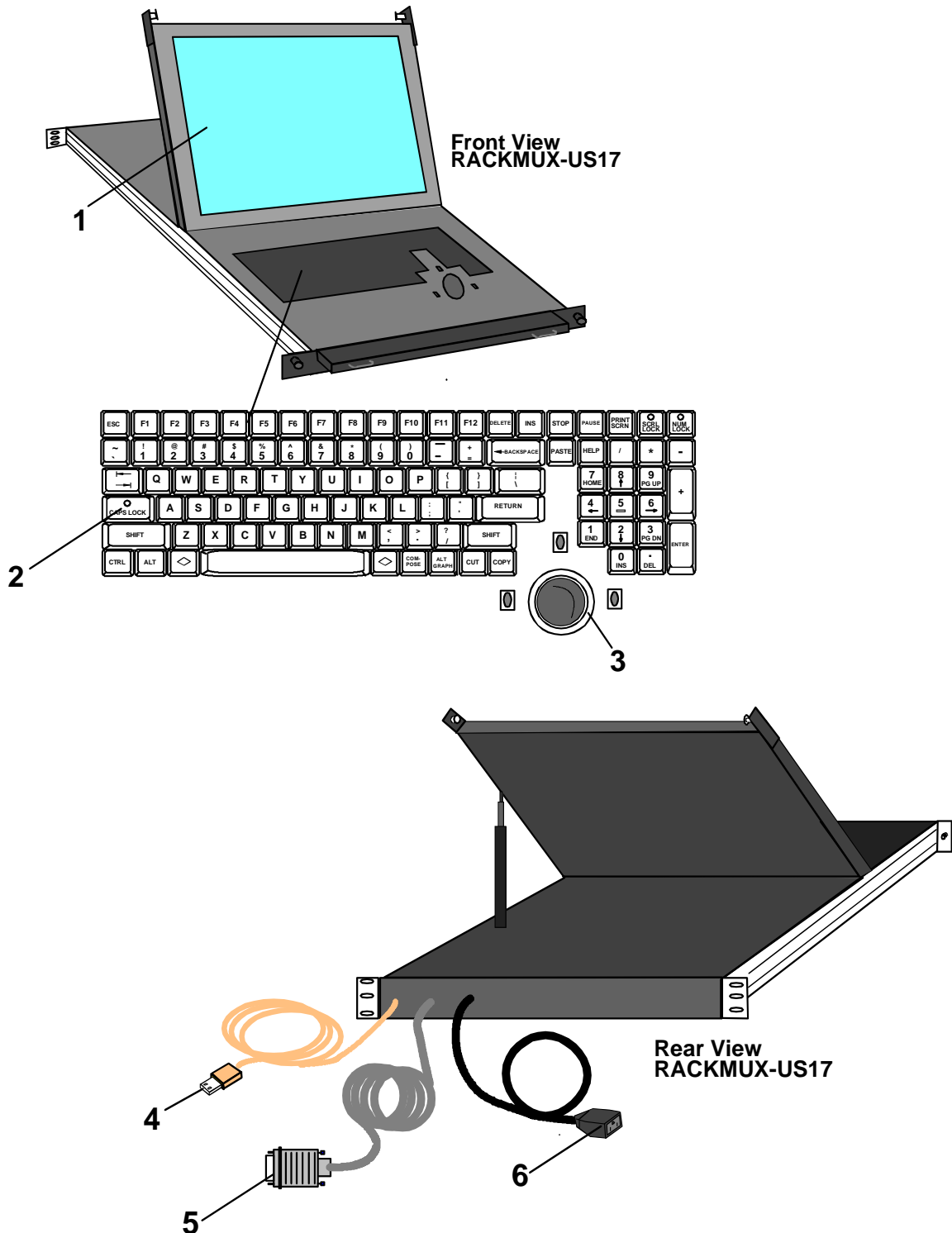
## Materials

### Materials Supplied with this kit:

- NTI RACKMUX-US17/19 RACK MOUNT SUN USB KVM DRAWER
- 110V at 60 Hz AC Adapter Cable
- 8-foot VGA cable (attached)
- 8-foot USB Type A cable (attached)
- This manual

## FEATURES AND FUNCTIONS

1. LCD Display- For viewing video signal from video source
2. Keyboard- For user interface with CPU or attached KVM switch
3. Trackball w/ 3 Buttons- For user interface with CPU or attached KVM switch
4. USB Cable-w/ male Type A connector- for connection of trackball and keyboard to CPU or attached KVM switch
5. Video Cable- w/ male 15HD connector- for connection of monitor to video source
6. Power supply- Cable for attachment of power



## INSTALLATION

### Rack Mounting Instructions

The NTI RACKMUX was designed to be mounted to a rack and includes mounting flanges to make attachment easy. Follow the instructions included for the Accuride Model 2907 Electronic Enclosure Slide to mount the RACKMUX. Be sure to tighten all mounting screws securely.

### Connect The Cables

1. Connect the male 15HD video cable from the RACKMUX to a female 15HD connector on a CPU or KVM switch.
2. Connect the male USB Type A connector from the RACKMUX to an available female USB Type A connector on a CPU or KVM switch.

**Note: The video and USB ports on a KVM switch should be numbered in order to group connectors into user sets. Be sure to connect the video and USB cables into connectors having the same set numbers.**

3. Connect the AC adapter cable to the power cable on the RACKMUX.
4. Flip up the LCD display to power-up the RACKMUX and use the keyboard, monitor, and trackball as normal.

## TROUBLESHOOTING

**PROBLEM:** No Display

**SOLUTION:**

- Make sure video cable is plugged into video source
- Make sure AC adapter cable is connected to power source

**PROBLEM:** No keyboard or mouse

**SOLUTION:**

Make sure USB cable is fully connected to signal source

**TECHNICAL SPECIFICATIONS**

DESCRIPTION	SPECIFICATION
Dimensions	WxDxH (Inches) 19 x 25.5 x 1.75
Weight	40 lbs
Operating Temperature	0°C - 40°C (32°F - 104°F)
Operating Humidity	80% Maximum
Storage Temperature	-20°C - 60°C (-4°F - 140°F)
Storage Humidity	95% Maximum
Pixel Frequency	135MHz
Video Compatibility	IBM & VESA VGA 640 X 350 @ 70Hz 640 X 400 @ 70Hz 720 X 400 @ 70Hz 640 X 480 @ 60Hz VESA VGA 640 X 480 @ 60/72/75Hz VESA SVGA 800 X 600 @ 56/60/72/75Hz VESA XGA 1024 X 768 @ 60/70/75Hz VESA SXGA 1280 X 1024 @ 60/75Hz Apple Macintosh 640 X 480 @ 67Hz 832 X 624 @ 75Hz 1024 X 768 @ 75Hz Sun Micro 1152 X 900 @ 66/76Hz
Video Sync	Horz 31.5 KHz-80 KHz, Vert 56-75 Hz
Video Quality	Auto-adjust
Video Connector	15HD VGA male
Keyboard/Mouse Connector	USB Type A male
Power requirements	110 or 220 VAC at 50 or 60 Hz via AC Adapter Cable

RACKMUX-US17     RACKMUX-US19

SERIAL NO.: \_\_\_\_\_

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DATE: \_\_\_\_\_

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