NEWSTAR computerproducts

NEWSTAR 2-PORT PS/2 KVM SWITCH
with Built-in Cables and
Microsoft / Mac support

User Manual

www.newstar.nl

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Introduction

The all-in-one two port KVM switch (NS-211MICRO) allows users to access and control two computers from a single console (PS/2 keyboard, monitor, and PS/2 mouse). This complete hardware-based solution is the most cost effective way to access two computers, saving you time, money and space!

The NS-211MICRO is both compact and portable, its small desktop footprint is ideal for on or under your desktop. Setup is fast and easy: there is no software to configure and no installation routines, simply plugging the built-in cables into the appropriate ports is all that is entailed. And since keyboard input is intercepted directly, the NS-211MICRO works on any hardware platform and with all operating systems.

Highly efficient and easy to use the NS-211MICRO provides a convenient method to access the computers by simple Ho-Key combinations from the keyboard or the push button on the side panel.

Features

◆ Allows users to control two computers from one PS/2 console

◆ Built-in cables (6' long) for a hassle-free set up

◆ Convenient Hot Keys for fast switching

◆ PS/2 mouse & keyboard emulation for error-free booting

◆ Hot pluggable - add or remove computers without powering off the KVM switch

◆ Requires no additional power supply

◆ Compact design

◆ Plug-n-Play monitor support

◆ AutoScan mode for monitoring computers

◆ Easy to install - No software required, No installation routines

◆ LED display for easy status monitoring

◆ Superior video resolution - up to 2048 x 1536; DDC, DDC2, DDC2B

◆ Macintosh support requires NEWSTAR's Mac & USB PC adapter

◆ Push button for easier operation

Specifications

Operation and Storage parameters:

Operating Temperature:	0~40 Degrees C
	(32 to 104 Degrees F)
Storage Temperature:	-20~60 Degrees C
	(-4~140 Degrees F)
Humidity:	0~80% RH non condensing

PC port connections

Keyboard:	Mini DIN 6 pin Male
Mouse:	Mini DIN 6 pin Male
Monitor:	HDDB 15 pin Male

Console connections
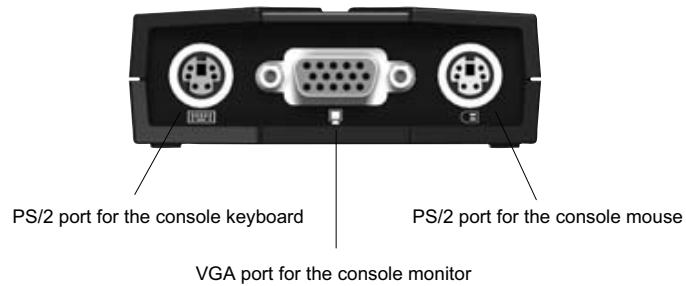
Keyboard:	Mini DIN 6 pin Female
Mouse:	Mini DIN 6 pin Female
Monitor:	HDDB 15 pin Female

Package Contents
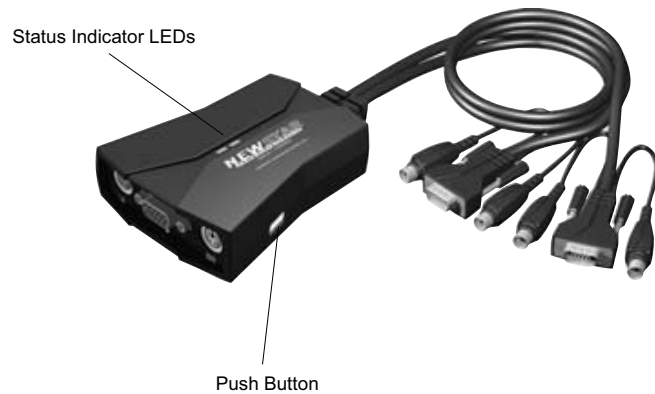
Item	Qty	Remark
NS-211MICRO	1 piece	KVM Switch
Users Manual	1 piece	

Display Diagrams

Front View

PS/2 port for the console keyboard

PS/2 port for the console mouse

VGA port for the console monitor

Top View

Status Indicator LEDs

Push Button

Hardware Installation

Step-by-Step Installation

This manual provides you complete setup instructions for the hardware installation of the NS-211Micro-USB.

Before you begin, please turn off all the computers that you are going to connect to the NS-211Micro-USB. Plugging and unplugging cables while computers are powered on might cause irreversible damage to your computers, data, and/or your switch, NEWSTAR will not be responsible for such damages.

You will need the following items to install the Switch:
2-Port KVM Switch with Built-In Cabling
One USB keyboard, USB mouse, and moni

Connecting the Console

1. Power off all computers.
2. Connect your monitor VGA cable to the female VGA port on your on the front panel of the switch.

Monitor

VGA port for the console monitor
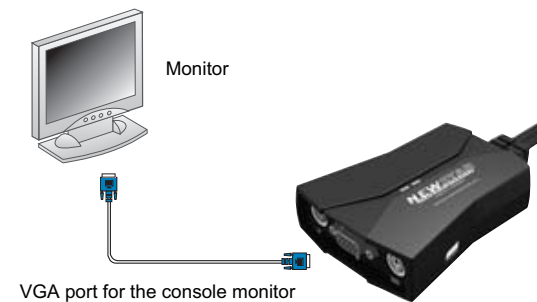
Hardware Installation

3. Connect your PS/2 keyboard and mouse directly into the PS/2 keyboard and mouse ports on the front panel of your switch.
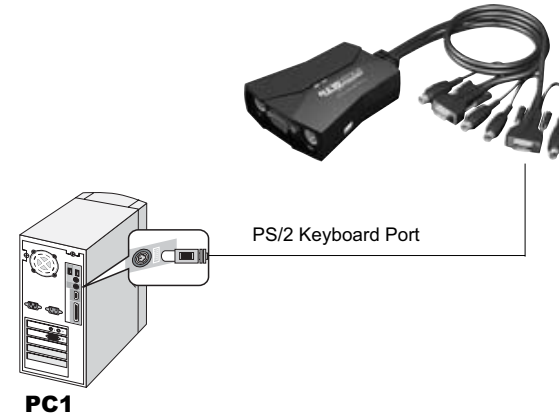

Keyboard

Mouse
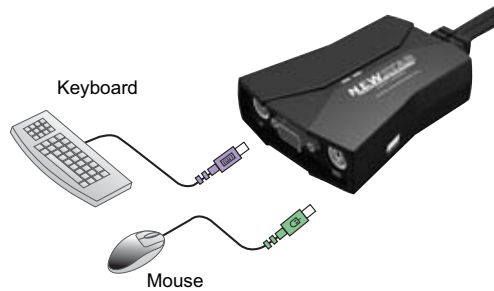
Connecting the Computer

1. Connect the VGA cable that is built into the KVM cable of your switch to the VGA port on your first computer
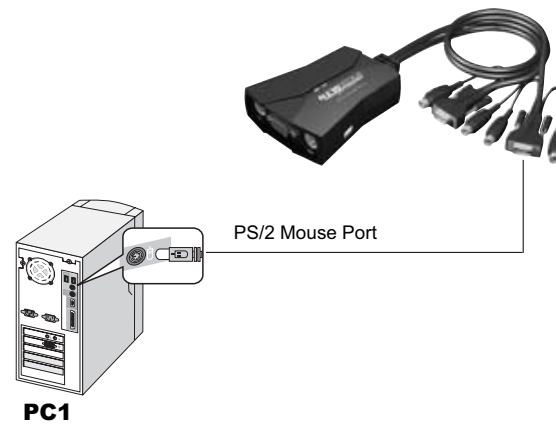

VGA Port

PC1
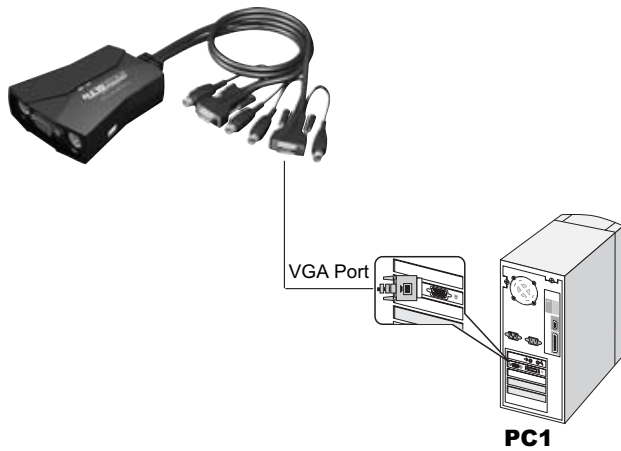
Hardware Installation

2. Connect the PS/2 keyboard cable that is built into the KVM cable of your switch to the PS/2 key-board port on your computer.
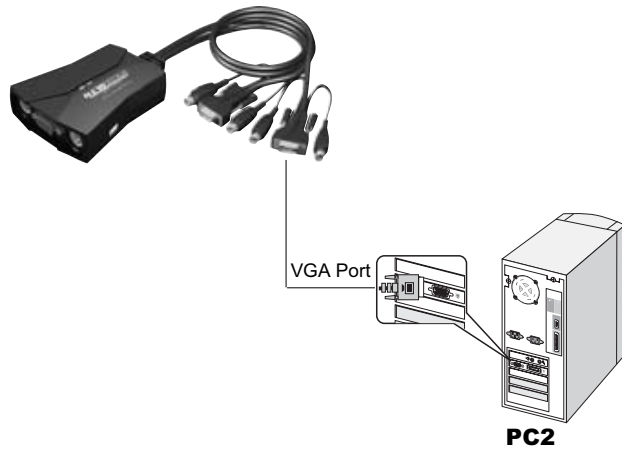

PS/2 Keyboard Port

PC1

3. Connect the PS/2 mouse cable that is built into the KVM cable of your switch to the PS/2 mouse port on your computer.

PS/2 Mouse Port

PC1

Hardware Installation

1.Connect the VGA cable that is built into the KVM cable of your switch
to the VGA port on your first computer.

VGA Port

PC2

2. Connect the PS/2 keyboard cable that is built into the KVM cable of
your switch to the PS/2 key-board port on your computer.

PS/2 Keyboard Port

PC2

Hardware Installation

3. Connect the PS/2 mouse cable that is built into the KVM cable of your
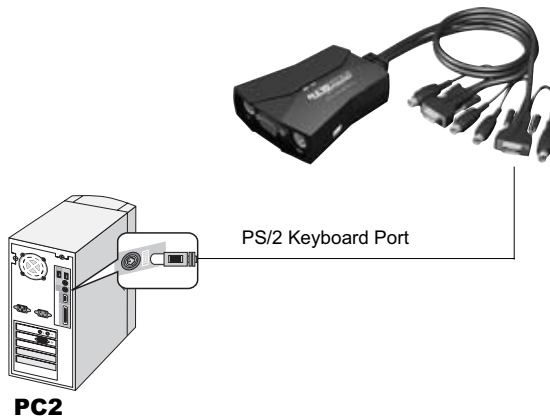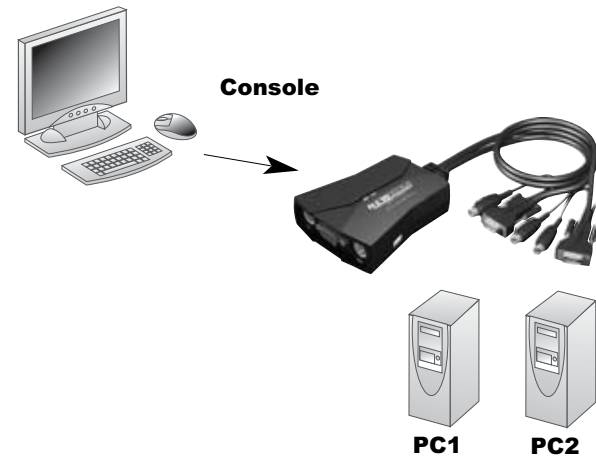switch to the PS/2 mouse port on your computer.

PS/2 Mouse Port

PC2
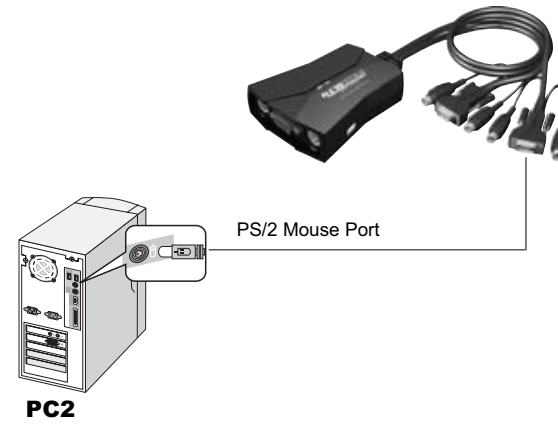
4. Power on your computers,and refer to operation instruction.

Console

PC1   **PC2**

Macintosh Installation - How does it work?

Easily control one PC and one Macintosh system simultaneously by using Newstar's PS/2 to USB Mac adapter. Follow the hardware installation guide found on page 4. For Macintosh systems simply connect the PS/2 keyboard and mouse connectors from the NS-211MICRO to Newstar's Mac adapter, and plug the USB connector into your Macintosh's USB port.

USB Port   **Mac**

PS/2 to USB adapter

PS/2 USB adapter

USB KEYBOADR

USB MOUSE

PS/2 PC
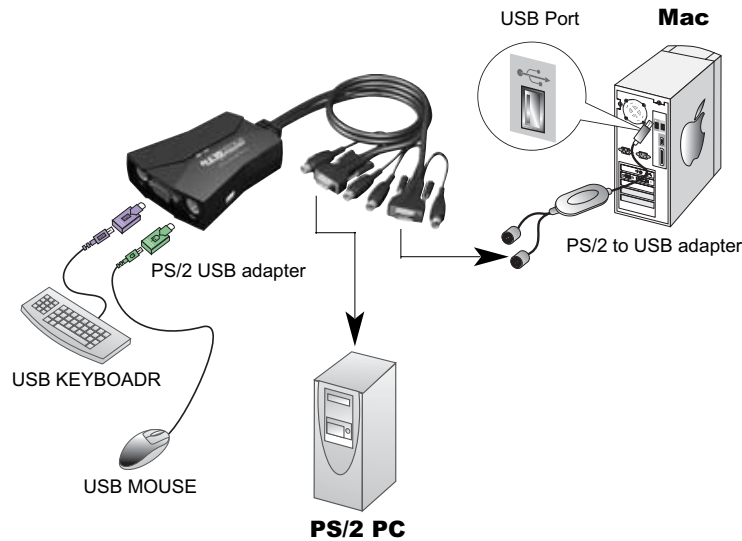
KEYBOARD HOT KEY COMMANDS

Operation

Controlling your computers with the NS-211MICRO couldn't be easier. Except the push button, the NS-211MICRO allows you to access the computers using simple Hot-Key combinations from the keyboard.

Selecting computers

You can change ports on the switch through the simple keyboard com mand sequence using the "SCROLL LOCK" key and up and down arrow keys.

HOT KEYS

-Switch to the First PC	SCROLL	SCROLL	1
-Switch to the Second PC	SCROLL	SCROLL	2
-Previous Active Port	SCROLL	SCROLL	↑
-Next Active Port	SCROLL	SCROLL	↓
-Auto Scan Mode	SCROLL	SCROLL	0

1. To invoke the Hot key mode press the Scroll Lock key twice within two seconds.

2. Press the up or down arrow keys to switch to the previous or next port respectively.

Alternatively you can directly switch the KVM focus to any computer by entering the switch port number. Each computer is assigned a numeric ID. For example, if you press [SCROLL LOCK], [SCROLL LOCK], "2" the computer on port 2 will be selected.

FCC Certifications

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a articular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

● Reorient or relocate the receiving antenna.

● Increase the separation between the equipment and receiver.

● Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

● Consult the dealer or an experienced radio/TV technician for help.

● Shielded interface cables must be used in order to comply with emis sion limits.

● You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

● This device complies with Part 15 of the FCC rules. Operation is sub ject to the following two conditions: (1) This device may not cause harmful interference, and(2)This device must accept any interference received, including interference that may cause undesired operation.

CE Mark Warning

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

VCCI Warning

注意
この装置は、情報処理装置等電波障害自主規制協議会（VCCI）の基準
に基づく第一種情報技術装置です。この装置が家庭環境で使用されると電波妨害
を引き起こすことがあります。この場合には使用者が適切な対策を講ずる
よう要求されることがあります。

LIMITED WARRANTY

NEWSTAR offers limited warranty for its product only to the person or entity who originally purchased the product from NEWSTAR or its authorized reseller or distributor.

Limited Hardware Warranty:

NEWSTAR warrants that the hardware portion of the NEWSTAR products described below (Hardware) will be free from material defects in workmanship and materials from the date of original retail purchase of the Hardware, for the period set forth below applicable to the product type (Warranty Period) if the Hardware is used and serviced in accordance with applicable documentation; provided that a completed Registration Card is returned to an Authorized NEWSTAR Service Office within ninety (90) days after the date of original retail purchase of the Hardware. If a completed Registration Card is not received by an authorized NEWSTAR Service Office within such ninety (90) period, then the Warranty Period shall be ninety (90) days from the date of purchase.

Product Type	Warranty Period
Product (excluding power supplies and fans)	Three (3) Year
Power Supplies and Fans	One (1) Year
Spare parts and spare kits	Ninety (90) days

NEWSTAR's sole obligation shall be to repair or replace the defective Hardware at no charge to the original owner. Such repair or replacement will be rendered by NEWSTAR at an Authorized NEWSTAR Service Office. The replacement Hardware need not be new or of an identical make, model or part; NEWSTAR may in its discretion may replace the defective Hardware (or any part there of) with any reconditioned product that NEWSTAR reasonably determines is substantially equivalent (or superior) in all material respects to the defective Hardware. The Warranty Period shall extend for an additional ninety (90) days after any repaired or replaced Hardware is delivered. If a material defect is incapable of correction, or if NEWSTAR determines in its sole discretion that it is not practical to repair or replace the defective Hardware, the price paid by the original purchaser for the defective Hardware will be refund-

ed by NEWSTAR upon return to NEWSTAR of the defective Hardware.
All Hardware (or part thereof) that is replaced by NEWSTAR, or for
which the purchase price is refunded, shall become the property of
NEWSTAR upon replacement or refund.

GOVERNING LAW:

This Limited Warranty shall be governed by the Haarlem, city of The
Netherlands. Some states do not allow exclusion or limitation of inciden-
tal or consequential damages, or limitations on how long an implied war-
ranty lasts, so the foregoing limitations and exclusions may not apply.
This limited warranty provides specific legal rights and the product owner
may also have other rights which vary from state to state.

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Registration Card

Print, type or use block letters.
Your name:Mr./Ms_____
Organization:_____Dept. _____
Your title at organization:_____
Telephone:_____
Fax:_____
Organization's full address:_____
Country:_____
Date of purchase (Month/Day/Year):_____

Product Model	Product Serial Number	* Product installed in type of Computer (E.g.,Compaq(486)	* Product installed Incomputer seria

(* Applies to adapters only)
Product was purchased from:
Reseller's name:_____
Telephone:_____Fax:_____
Reseller's full address:_____

Answers to the following questions help us to support your product:

1.Where and how will the product primarily be used?
   Home Office Travel Company Business Home

2. How many employees work at installation site?
   1 employee 2-9 10-49 50-99 100-499 500-999 1000 or more

3. What network protocol(s) does your organization use ?
   XNS/IPX TCP/IP DECnet Others_____

4. What network operating system(s) does your organization use ?
   NEWSTAR LANsmart Novell NetWare NetWare Lite SCO Unix/Xenix PC NFS 3Com
   3+Open Banyan Vines DECnet Pathwork ☐Windows NT ☐Windows NTAS
   ☐Windows '95 Oothers_____

5. What network management program does your organization use ?
   ☐D-View ☐HP OpenView/Windows ☐HP OpenView/Unix ☐SunNet Manager
   ☐Novell ☐NMS ☐NetView 6000 ☐Others_____

6. What network medium/media does your organization use ?
   ☐Fiber-optics ☐Thick coax Ethernet ☐Thin coax Ethernet ☐10BASE-T UTP/STP
   ☐100BASE-TX ☐100BASE-T4 ☐100VGAnyLAN ☐Others_____

7.What applications are used on your network?
   ☐Desktop publishing ☐Spreadsheet ☐Word processing ☐CAD/CAM
   ☐Database management ☐Accounting ☐Others_____

8. What category best describes your company?
   ☐Aerospace ☐Engineering ☐Education ☐Finance ☐Hospital ☐Legal
   ☐Insurance/Real ☐Estate ☐Manufacturing ☐Retail/Chainstore/Wholesale
   ☐Government ☐Transportation/Utilities/Communication ☐VAR
   ☐System house/company ☐Other_____

9. Would you recommend your NEWSTAR product to a friend?
   ☐Yes ☐No ☐Don't know yet

10.Your comments on this product?
   _____