

User Instructions for VIP- 804-KMV-TS Series "MegaTouch"[™] Keyboard, Mouse, Video and Serial Touch Screen Switch

FEDERAL COMMUNICATIONS COMMISSION

This equipment has been tested and found to comply with the limits of 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 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 their expense.

CE

This equipment has been tested and found to conform to the directives and standards for a Class A Information Technology Equipment type and for the Commercial Light Industrial equipment class.

INTRODUCTION

The VIP-804-KMV-TS "MegaTouch"[™] Keyboard, Mouse, Video and Serial Touch Screen Switches are available as a full function, Integrated Switch with keyboard control selection, switching keyboard, mouse, video and serial touch screen. The "MegaTouch" allows one Workstation comprised of a PC Keyboard, a PS/2 Mouse, and VGA Monitor with serial touch screen capability to control and work with one or up to four PC's.

Note: The "MegaTouch" does not come with keyboard, mouse, VGA or serial extension cables. They may be ordered from Vetra separately.

INSTALLATION

There are two main steps to connect the Switch:

1. Connect PC's to Switch unit:

a) Keyboard Connect the keyboard inputs of the PC's to the Switch using 6 pin PS/2 male/male extension cables. Connect PC#1's keyboard port to the backpanel connector of the Switch marked "PC1 KBD". Connect PC's #2, #3, and #4 keyboard port's to the appropriate backpanel connectors of the Switch marked "PC2 KBD", "PC3 KBD" and "PC4 KBD".

b) Mouse Connect the mouse inputs of the PC's to the Switch using 6 pin PS/2 male/male extension cables. Connect PC#1's mouse port to the backpanel connector of the Switch marked "PC1 MSE". Connect PC's #2, #3, and #4 mouse port's to the appropriate backpanel connector of the Switch marked "PC2 MSE", "PC3 MSE", and "PC4 MSE".

c) VGA Video Connect the Video outputs of the PC's to the Switch using 15 pin HDD15 male/female extension cables. Connect PC#1's video output to the backpanel connector of the Switch marked "TO PC1 VIDEO". Connect PC's #2, #3, and #4 video output's to the appropriate backpanel connector of the Switch marked "TO PC2 VIDEO", "TO PC3 VIDEO", and "TO PC4 VIDEO".

Or in the case of the V2 series MegaSwitch

Connect PC#1's Monitor A video output to the backpanel connector of the Switch marked "PC1 MON A" and connect PC#1's Monitor B video output to the backpanel connector of the Switch marked "PC1 MON B". Repeat this step for PC #2, #3, and #4.

d) Serial Touch Screen Connect the Touch Screen inputs of the PC's to the Switch using 9 pin DB9 male/female extension cables. Connect PC#1's touch screen input to the backpanel connector of the Switch marked "TO PC1 T.S.". Connect PC's #2, #3, and #4 touch screen inputs to the appropriate backpanel connector of the Switch marked "TO PC2 T.S.", "TO PC3



T.S.", and "TO PC4 T.S."

Or in the case of V2 series

Connect PC#1's touch screen inputs A to the connector on the backpanel of the Switch marked "TO PC1 T.S.A" and input B to the backpanel connector marked "TO PC1 T.S.B". Repeat for PC #2, #3, and #4.

2. Connect a Workstation to the Switch:

a) PS/2 Keyboard Connect the keyboard to the 6-pin DIN connector on the front panel of the Switch marked "KBD IN".

b) PS/2 Mouse Connect the mouse to the 6-pin DIN connector on the front panel of the Switch marked "MSE IN".

c) VGA Monitor Connect the VGA monitor to the 15-pin HDD connector on the backpanel of the Switch marked "MONITOR IN".

Or in the case of V2 series

Connect VGA monitor A to the backpanel connector on the Video switch marked "MONITOR A IN" and VGA monitor B to the connector marked "MONITOR B IN".

d) Serial Touch Screen Connect the Touch Screen to the DB9 connector on the backpanel of the Switch marked "TOUCH SCREEN IN".

Or in the case of V2 series

Connect Touch Screen A to the backpanel connector on the Video switch marked "TOUCHSCREEN A IN" and Touch Screen B to the connector marked "TOUCHSCREEN B IN".

OPERATION

1. Power Up Sequence:

There is no power supply supplied with the switch. The switch derives its power when either one of the four PC's that are connected to the switch are powered up. A Power Jack marked "+5VDC IN" on the back panel of the Switch is provided in case an external power supply is needed. A separate power source may be required if the keyboard and PS/2 mouse being used draws more current than can be provided from a single PC source. If a separate power source is required we recommend the VIP-210 an external wall plug-in supply, which may be purchased from Vetra separately.

Note: Some of the new Internet keyboards on the market can draw as much as 500 ma of current. Also the new Optical PS/2 mice may require as much as 100 ma to operate.

2. PC Selection:

a) Keyboard "Hot Key" Selection (available on all models): To select an active PC, first hold down the Scroll Lock Key, then pressing and releasing the top row keyboard keys 1, 2, 3, or 4. The number keys must be released before the Scroll Lock key. Switching takes place on the release of the Scroll Lock Key, which also rearms the keyboard selection mechanism. When selection of any of the PC's is completed, observe on the front panel of the switch that the appropriate green "SEL" indicator is on.

b) Front Panel Selection:

1) Next PC (available on Standard model only): To select another PC, press the "NEXT PC" pushbutton located on the front panel of the MegaSwitch.

2) Direct Entry (available on DE models only): To select another PC, press the "PC SELECTION" pushbutton for the appropriate PC desired.

VETRA Systems Corporation 275 Marcus Blvd. Ste-J, Hauppauge, NY 11788-2022 USA

Phone: 631.434.3185 Fax: 631.434.3516

e-mail: sales@vetra.com <http://www.vetra.com>

3. Auto Scan: (Available on DE Models only):

Auto Scan Mode will scan all powered on PC's connected to the MegaTouch. The Switch will stay connected to each powered on PC for 5 seconds at a time and will continue to do so until disabled. To start Auto Scan hold down the Scroll Lock Key and press and release the A key, then release Scroll Lock. Auto Scan will start on the release of the Scroll Lock key, which also rearms the keyboard selection mechanism. The first PC selected will be the lowest numbered powered PC on the Switch.

Auto Scan mode can be stopped by using the keyboard to select a PC, using the "PC SELECTION" pushbutton for the appropriate PC desired, or by the Stop Auto Scan keyboard sequence (Press and hold down Scroll Lock, then press and release the S key, and then release Scroll Lock). Auto Scan stops on the release of the Scroll Lock key, which also rearms the keyboard selection mechanism.

SPECIFICATIONS

Mechanical Dimensions

Model #	Height	Width	Depth	Weight
VIP-804-KMV-TS	3.38" (8.59 cm)	8.08" (20.52 cm)	6.32" (16.05 cm)	1 lb. 15 oz.
VIP-804-KMV-TS-DE	3.38" (8.59 cm)	8.08" (20.52 cm)	6.32" (16.05 cm)	2 lb. 2 oz.
VIP-804-KMV2-TS2	4.04" (10.26 cm)	8.08" (20.52 cm)	6.32" (16.05 cm)	2 lb. 5 oz.
VIP-804-KMV2-TS2-DE	4.04" (10.26 cm)	8.08" (20.52 cm)	6.32" (16.05 cm)	2 lb. 8 oz.

Environmental Operating Temp: 5 to 104 deg. F (-15 - 40 deg. C)
Storage Temp: -4 to 122 deg. F (-20 - 50 deg. C)

Supported Hardware Computer: IBM PC/AT, PS/2 and 100% compatibles
Video Monitors: VGA, SVGA
Maximum Resolution: up to 1600 x 1200 to 75 Hz
Peripherals: AT and PS/2 keyboards, PS/2 mouse

MegaTouch is a trademark of Vetra Systems Corporation Copyright © 2003-2008 by Vetra Systems Corporation All Rights Reserved

VETRA Systems Corporation 275 Marcus Blvd. Ste-J, Hauppauge, NY 11788-2022 USA

Phone: 631.434.3185 Fax: 631.434.3516

e-mail: sales@vetra.com <http://www.vetra.com>