User Instruction for
the VIP- 882-KMV-TS Series "TouchMux"™
Keyboard, Mouse, Video, and Touch Screen Splitter/Multiplexer

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-882-KMV-TS "TouchMux"™ KVM Splitter/Multiplexer allows two workstations, each consisting of a keyboard, a PS/2 mouse and one monitor with touch screen capabilities to share local access to one PC with only one workstation being active at a time. The VIP-882-KMV-TS-KS (Key Switch) model allows a fixed (for security purpose with key removal) selection of one workstation only. Please note that with both models the monitors at both workstations will be viewing the same image at all times.

INSTALLATION

Connection of the Splitter/Multiplexer to the PC must be made while the PC is powered down.

1. Connect PC to Multiplexer unit:

(a) Connect the PC's keyboard port to the Splitter/Multiplexer using a PS/2 male/male (6 pin DIN) extension cable supplied with the Splitter/Multiplexer. Make this connection from the PC's keyboard port to the Splitter/Multiplexer's backpanel connector marked "TO PC KBD". An adapter, the VIP-301-5M6F (may be purchased separately) will be needed for connecting to an AT style PC.

(b) Connect the PC's mouse port to the Splitter/Multiplexer using the second PS/2 male/male (6 pin DIN) extension cable supplied with the Splitter/Multiplexer. Make this connection from the PC's mouse port to the Splitter/Multiplexer's backpanel connector marked "TO PC MSE".

(c) Connect the PC's Video output to the Splitter/Multiplexer using the HDD15 male/female extension cable supplied with the Splitter/Multiplexer. This connection is made from the PC's video output to the Splitter/Multiplexer's backpanel connector marked "TO PC VIDEO OUT".

(d) Connect the PC's Touch Screen inputs to the Splitter/Multiplexer using a DB9 male/female extension cable supplied with the Splitter/Multiplexer. Make this connection from the PC's touch screen input to the Splitter/Multiplexer's backpanel connector marked "TO PC TOUCHSCREEN".

2. Connect Workstations to the Multiplexer:

(a) Connect the keyboard of Workstation #1 to the Splitter/Multiplexer's backpanel 6-pin DIN connector marked "STA-1 KBD". An adapter the VIP-301-5F6M (may be purchased separately) will be needed for connecting an AT style keyboard to the TouchMux.

(b) Connect the PS/2 mouse of Workstation #1 to the Splitter/Multiplexer's backpanel 6-pin DIN connector marked "STA-1 MSE"

(c) Connect the VGA monitor of Workstation #1 to the Splitter/Multiplexer's backpanel 15-pin HDD connector marked

"STATION-1 MONITOR".

(d) Connect the Touch Screen portion of the VGA monitor of Workstation #1 to the Splitter/Multiplexer's backpanel DB9 connector marked "STATION-1 TOUCHSCREEN".

(e) Repeat steps a, b, c, and d for Workstation #2.

OPERATION

1. Power Up Sequence

There is no power supply supplied with the Splitter/Multiplexer. The Splitter/Multiplexer derives its power when the PC is powered on. A Power Jack marked "+5VDC IN" on the backpanel of the Splitter/Multiplexer is provided in case an external power supply is needed. A separate power source may be required if the keyboards and PS/2 mice being used draw more current than can be provided by the PC. If a separate power source is required we recommend the VIP-210 (+5Vdc 2A reg. 110 – 240 Vac 50 – 60 Hz) an external wall supply, which may be purchased from Vetra separately. It is also recommended that the power supply be connected to an AC power source that has a power on/off switch.

> **Note:** Some of the new Internet keyboards require as much as 500 ma and the new Optical PS/2 mice require as much as 100 ma to operate.

When the PC is powered up, you may observe random selection of the "ACTIVE STATION" leds on the front panel of the Splitter/Multiplexer for a few seconds. This is normal. The Splitter/Multiplexer is initializing each of the input devices. The order and final selected station depends on the response time of each device.

2. Workstation Selection (not available on the KS Model)

To switch from one active Workstation to another there must be a 3 - 5 second delay between keyboard and or mouse inputs from one Workstation before the Multiplexer recognizes keyboard and/or mouse inputs of the other Workstation. Note that the front panel "ACTIVE STATION" leds of the Multiplexer will switch to the Workstation currently being used. Switching from one active workstation to the other may also be accomplished via touching the Touch Screen of the monitor that an operator would like to use.

3. Lock and Release (not available on the KS Model)

Either Workstation has the option of locking out the other Workstation for uninterrupted input to the PC. To accomplish this the user must first be the current ACTIVE STATION, then by pressing and releasing the **Left Shift** key **three** times he will lock out the other Workstation's (keyboard, mouse and touch screen inputs), but the monitor will be viewing the same image. To release this feature the same Workstation that activated the lock out must press and release the **Right Shift** key **three** times. This will set the Multiplexer back to the 3 - 5 second delay between Workstations.

4. Key Switch Selection (KS Model only)

The key switch option of the Multiplexer allows lockout tagout of a Workstation with key removal. The operator selects which Workstation (1 or 2) to be active with the PC. The other Workstation is locked out from communication to the PC but the monitor views the same image at all times. There is no active selection thru the keyboard, mouse or touch screen inputs as mentioned above. To select a Workstation, you must use the key.

SPECIFICATIONS
Mechanical

Model Number	Height	Width	Depth	Weight
VIP-882-KMV-TS	3.38" (8.59 cm)	6.06" (15.39 cm)	6.32" (16.05 cm)	1 lb. 6 oz.
VIP-882-KMV-TS-KS	3.38" (8.59 cm)	6.06" (15.39 cm)	6.32" (16.05 cm)	1 lb. 7 oz.

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

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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

PARTS LIST

All models come with 2 VIP-300-6MM-06 Kbd/Mse extension cables, 1 VIP-302-VGA-06 video extension cable, and 1 VIP-303-9MF-06 serial extension cable.

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