User Instruction for the
USB- 882 Series "MegaMux"™
Keyboard, Mouse, and Video Multiplexer

Congratulations on your purchase of a VETRA USB Multiplexer! This quality product is designed and built in the USA and is backed by a VETRA Three-year Warranty and unlimited free technical support. You are welcome to comment, please email us at sales@vetra.com or call us at the numbers given at the end**.**

INTRODUCTION

The USB-882 "MegaMux"™ KVM Splitter/Multiplexer allows two workstations, each consisting of a USB keyboard, mouse, and (for some models - see below) one or two monitors to share local access to one PC with only one workstation being active at a time. The USB-882-KM models will handle keyboard and mouse only while the USB-882-KMV adds the capability of one monitor to the workstation. The USB-882-KMV2 models allow the capability of Dual video monitors to each workstation, while the –KS models allow a fixed (for security purpose with key removal) selection of a workstation. Please note that with the above models the monitor(s) at both workstations will be viewing the same image(s) at all times.

INSTALLATION

1. Connect the Multiplexer to the PC:

(a) Use the USB Type A-B cables, supplied with the system, to connect one of the PC's USB ports to the USB Type B connector of the Multiplexer marked "TO PC". This finishes the connection to the PC for the USB-882-KM and USB-882-KM-KS models.

(b) Connect the HDD15 male/female video extension cable to the PC's female video port and the other end to the Multiplexer's male connector marked "TO PC MON". For -KMV2 models connect the HDD15 male/female video extension cable(s) to the PC's female video port(s) and the other end to the Multiplexer's male connectors marked "TO PC MON A" and "TO PC MON B".

2. Connect Workstations to the Multiplexer:

(a) Use the normal keyboard cable to connect to one of the USB Type A connectors on the backpanel of the Multiplexer marked "STA-1 IN-A". Use the normal mouse cable to connect to the female connector on the backpanel marked "STA-1 IN-B". This finishes the connection to the Multiplexer for the USB-882-KM and USB-882-KM-KS models.

(b) Connect the VGA monitor to the Multiplexer's backpanel 15-pin HDD connector marked "STA-1 MON". For the -KMV2 models, connect the monitors to "STA-1 MON A" and "STA-1 MON B"

(c) Repeat the above steps for Workstation #2, except connect the keyboard, mouse and monitor(s) to "STA-2" inputs.

OPERATION

1. Power Up Sequence

All MegaMux Splitter/Multiplexers are powered by an external wall plug-in supply, the VIP-210 (+5Vdc 2A reg. 110 - 240 V ac 50 - 60 Hz). First plug the power output plug of this external supply into the mating jack on the front panel of the Transmitter marked "+5VDC IN", and only then plug the supply into a suitable AC power source. Since the Splitter/Multiplexers have no separate power on/off switch, it is recommended that the power supply be connected to an AC power source that has a power on/off switch.

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.

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2. Workstation Selection (not available on the -KS Models)

To switch from one Workstation to another there must be a 3 - 5 second delay between keyboard or mouse inputs from one Workstation before the Multiplexer recognizes keyboard and/or mouse inputs of the next Workstation. Note that the front panel "ACTIVE STATION" LEDs of the Multiplexer will switch to the Workstation currently being used. They are both off when input from both stations is allowed. As soon as input from one workstation is detected, the LED for the station lights, and input from the other station is locked out, until there is 3 - 5 sec's of inactivity from the currently active station.

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

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 the other Workstation's keyboard and mouse inputs will be locked out, but the monitor will be viewing the same image. To release, 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 Models 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) is to be active. The other Workstation is locked out from communicating with the PC, but the monitor(s) view the same image at all times. There is no active selection through the keyboard and/or mouse inputs as mentioned above. To select a Workstation, you must use the key.

SPECIFICATIONS

Mechanical

Model Number	Height	Width	Depth	Weight
USB-882-KM	2.63" (6.68 cm)	6.06" (15.39 cm)	6.32" (16.05 cm)	1 lb. 1 oz.
USB-882-KM-KS	2.63" (6.68 cm)	6.06" (15.39 cm)	6.32" (16.05 cm)	1 lb. 2 oz.
USB-882-KMV	2.63" (6.68 cm)	6.06" (15.39 cm)	6.32" (16.05 cm)	1 lb. 3 oz.
USB-882-KMV-KS	2.63" (6.68 cm)	6.06" (15.39 cm)	6.32" (16.05 cm)	1 lb. 4 oz.
USB-882-KMV2	3.38" (8.59 cm)	6.06" (15.39 cm)	6.32" (16.05 cm)	1 lb. 6 oz.
USB-882-KMV2-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)
Supported Hardware	Computer:	PC with USB port(s)
	Video Monitors:	VGA, SVGA
	Maximum Resolution:	up to 1600 x 1200 to 75 Hz
	Peripherals:	USB keyboards, USB mice, Human Interface Devices (HIDs)

PARTS LIST

Model Number	USB-300-6MM-06 Ext. Cable	VIP-302-VGA-06 VGA Ext. Cable	VIP-210 Power Supply
USB-882-KM	1	0	1
USB-882-KM-KS	1	0	1
USB-882-KMV	1	1	1
USB-882-KMV-KS	1	1	1
USB-882-KMV2	1	2	1
USB-882-KMV2-KS	1	2	1

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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.

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