

**User Instructions For the Vetra
USB- 845 series "MegaCastPlus"™
USB Keyboard and/or USB Mouse Broadcaster-Multicaster to Five PC's**

Congratulations on your purchase of a VETRA USB MegaCast! This quality product is designed and built by us in the USA for use around the world and is backed by a VETRA Three-year Warranty and unlimited free technical support. We invite your comments, please email us at sales@vetra.com or call us at the numbers given at the end.

INTRODUCTION

There are two models in the **USB-845 MegaCastPlus™** series:

The **USB-845-BC** USB Keyboard or USB Mouse Broadcaster-Multicaster connects either one USB keyboard or one USB mouse to up to five PC's.

The **USB-845-KM-BC** connects **both** a keyboard and a mouse to up to five PC's.

In both units, the keyboard and/or mouse are routed simultaneously to all connected PC's. Both models allow one hub between the input devices and the Broadcaster-Multicaster. The hub may be external or built into the keyboard, but only one device may be connected to the hub for the **USB-845-BC** and two devices for the **USB-845-KM-BC**.

Both models feature user-controlled **Inversion Multicasting**, where PC #1 is excluded from multicasting. Multicasting remains active for PC's 2 - 5.

Both keyboard/mouse Broadcaster models come with the VIP-210 power supply.

Note: The "MegaCast" does not come with USB connection cables. One cable per PC is needed for the USB-845-BC, and two cables per PC are needed for the USB-845-KM-BC. They may be ordered from Vetra separately.

INSTALLATION

**Before connecting PC's to the Broadcaster-Multicaster, make sure the Broadcaster is powered by its Power Supply!
The PC's may be powered or not when you connect them to the Broadcaster-Multicaster.
Keyboard or mouse may be connected to the Broadcaster at any time.
Do not power down the Broadcaster while any PC is connected to the Broadcaster!**

There are three main steps to make the Broadcaster-Multicaster ready for use:

1. Power Up:

First, connect the power supply included with the Broadcaster-Multicaster to the Power Jack, marked "+5VDC IN", on the back panel of the Broadcaster. Note that the front panel "PWR ON" indicator on the Broadcaster is on. When powering up or connecting the PC's, note that the appropriate "PC STATUS" indicator on the front panel comes on.

2. Connect PC's to Broadcaster unit:

For the USB-845-BC: Connect any available USB input on the PC's to the Broadcaster using USB A-B cables. Connect PC #1's USB port to the back panel connector of the Broadcaster marked "PC1". Connect USB ports of PC's #2 - #5 to the back panel connectors marked "PC2" - "PC5". The Broadcaster-Multicaster will operate with less than all five PC's connected.

For the USB-845-KM-BC: Connect any available USB inputs on the PC's to the Broadcaster using USB A-B cables. Connect PC #1's USB ports to the back panel connectors of the Broadcaster marked "PC1 KBD" and "PC1 MSE". Connect PC's #2 - #5 USB ports to the back panel connectors marked "PC2 KBD" and "PC2 MSE" - "PC5". The Broadcaster-Multicaster will operate with less than all five PC's connected.



3. Connect Keyboard and/or Mouse to Broadcaster-Multicaster unit:

For the USB-845-BC, connect a USB keyboard or mouse to the Broadcaster at the front panel marked "DEVICE IN". Note that to select inversion multicasting, a keyboard is required. Therefore, if a mouse is used with the USB-845-BC, inversion multicasting cannot be selected.

For the USB-845-KM-BC, connect the USB keyboard to the Broadcaster-Multicaster at the front panel marked "KBD IN" and the mouse to the front panel connector marked "MSE IN".

OPERATION

Selecting Inversion Multicasting

The Broadcaster-Multicaster powers up in multicasting mode, Keyboard and/or mouse data goes simultaneously to all PC's. To select/cancel Inversion Multicasting,

Hold down the **Scroll Lock** key, then

- 1) To select inversion, type I (the letter, not the number 1) and release both keys.** PC 1 is now blocked from receiving multicasts of keyboard and/or mouse data. Inversion may be cancelled by typing scroll-lock O.
- 2) To cancel inversion, type O and release both keys.** Now all PC's receive keyboard and mouse data. Inversion may be selected again by typing scroll-lock I.

SPECIFICATIONS

Mechanical: Height: 2.63" (6.68 cm), Width: 8.08" (20.52 cm), Depth: 6.32" (16.05 cm), Weight: 1 lb. 4 oz. (0.482 kg)

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 with USB port(s); two ports are needed for USB-845-KM-BC. Peripherals: USB keyboard and/or USB mouse. Can be connected via one hub, including keyboard built-in hub.

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 the user's own 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.

The Vetra USB-845 series USB Keyboard/Mouse Broadcaster/Multicasters use technology covered by US Patent 7,246,189

MegaCast™ is a trademark of Vetra Systems Corporation

Copyright © 1995 - 2009 by Vetra Systems Corporation. All Rights Reserved. Printed in USA.

VETRA Systems Corp, 275 Marcus Blvd, Ste- J, Hauppauge, NY 11788-2022 USA
Tel: 800.537.9296, 631.434.3185 Fax: 631.434.3516
www.vetra.com email: sales@vetra.com