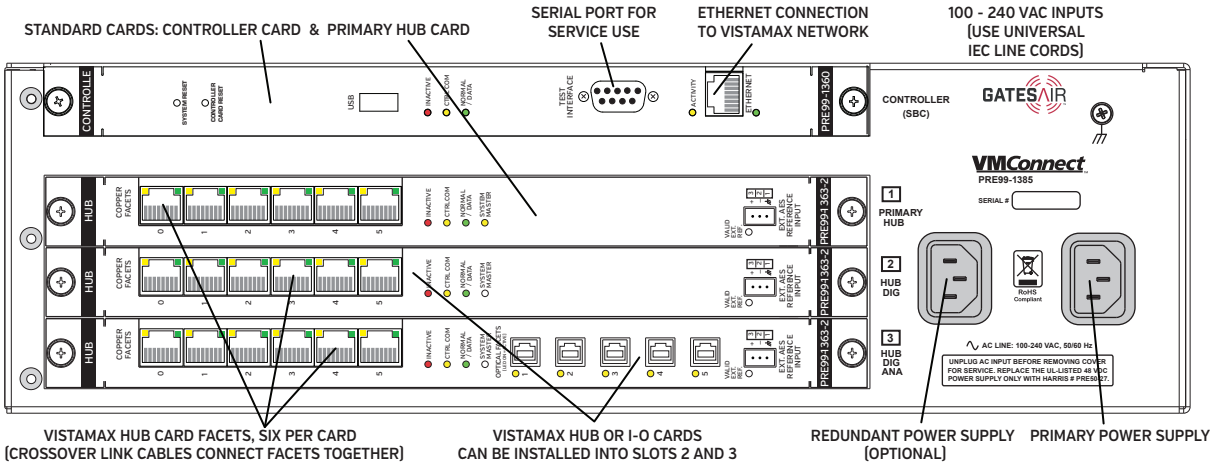
PRE99-1385 VMCONNECT

Quick Setup Guide



VMCONNECT, REAR VIEW, SHOWN WITH OPTIONAL HUB CARDS AND REDUNDANT POWER SUPPLY

GENERAL INFORMATION

The VMConnect uses 5.25" of rack space (3 RU) in a standard 19 inch rack. The chassis is 8.25" deep, but allow at least 4" behind it for wiring, since all connections are made from the rear. Two cosmetic snap-on front bezels must be removed before installing the VMConnect into a rack. Note that the front covers protrude about one inch past the rack rails when installed.

The VMConnect includes one internal plug-in power supply; one Controller card; one Hub card and two blank panels covering card slots 2 and 3 (for adding optional Hub or I-O cards). The bottom card slot, Slot 3, can have a Hub card, an Analog I-O card, or a Digital I-O card installed. Slot 2 (the middle card slot) can only have a Hub card or a Digital I-O card installed.

The VMConnect's Hub card Facets Link together VistaMax consoles, VMXpress and VMQuadra signal interfaces, and each Hub card in every VMConnect or VistaMax card frame to form a VistaMax audio management system. Each Hub card has six copper (RJ45) Facets labelled Facet 0 - Facet 5. Each carries 128 audio or audio-with-logic signals (sixty-four signals in each direction) to link together VistaMax and VM devices using crossover CAT6 cables of up to 100 meters (330 feet) in length. Note that only two wire pairs are used in these cables, per the *Link Cable Wiring* table. Hub cards with both copper and optical Facets are available for link connections of up to 2 km (using multi-mode optical fiber).

LINK CABLE WIRING

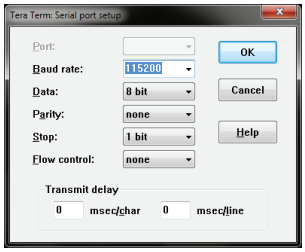
T568A END	T568B END
PIN 1 (WHT/GRN)	PIN 3 (PAIR 3)
PIN 2 (GREEN)	PIN 6 (PAIR 3)
PIN 3 (WHT/ORG)	PIN 1 (PAIR 2)
PIN 6 (ORG)	PIN 2 (PAIR 2)

INSTALLATION

Since the VMConnect is designed for 24/7 operation, there is no power switch on the unit. It is powered up by plugging it into an AC outlet (100 - 240 VAC). **Note:** To install the optional redundant supply, the top cover must be removed (nine #2 Phillips screws). Do not power or rack-mount the unit until after the optional redundant supply is installed and the top cover reinstalled. If additional I-O or Hub cards are to be installed, it is easier to install them once the VMConnect is rack-mounted.

The VMConnect is convection-cooled, for silent operation, so it can be installed in any room, including talk or air studios. All connections are made from the rear, so rear access is critical. Other gear can be installed directly below the VMConnect, but install a 1 RU blank above the unit, or install a device with minimum depth, like a VistaMax source selector panel, immediately above the VMConnect.

TEST INTERFACE PORT SETTINGS



It takes about 60 seconds for the Controller Card to start Windows CE and load the VistaMax operating system when first powered up, or when the Controller Card RESET button is pressed. During this time, red Inactive LEDs blink on the Controller Card and are lit solid on the Hub cards. The start-up process can be monitored by using a null modem cable (not supplied) connected from the Test Interface connector to a serial port (or USB-Serial adapter) on any computer. Use a serial port monitor program like Tera Term (see Test interface Port settings) to view the data.

The Controller Card is ready for normal operation once all red LEDs turn off and the yellow Control Comm LEDs blink, indicating that the Controller is communicating with the Hub and I-O cards. The green Normal/Data LEDs will be lit solid on the Hub cards but will blink on I-O cards.

The VMConnect Controller card comes from the factory set with an IP address of 192.168.100.33 and expects the VistaMax admin computer's IP address to be 192.168.100.11. The main Hub card, in slot 1, is set as the System Master (the System Master LED is lit) so that the VMConnect can function as the heart of a VistaMax community. But, if the VMConnect is being added to an existing community, unplug the Hub card from slot 1 (all VistaMax cards can be unplugged or plugged in hot) and change the setting of DS1, a rotary switch on the Hub card, from F (System Master) to 0 (Slave).

HUB CARD SWITCH

System Master = F
Slave Hub = 0
Fail-Over Master = 1
unused postions = 2 - E

Note: Only one Hub card in a VistaMax system can be set as the System Master.

THIS DOCUMENT APPLIES TO PRE99-1385

TITLE: INSTRUCTION SHEET, VMCONNECT MINI-CARDFRAME FOR AUDIO MGMT SYSTEMS

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