VESTAX PRODUCT INFORMATION   SEP.2007

VCM-100

USB MIDI & Audio Controller

Portable Mixing Workstation!

INTRODUCTION

The VCM-100 is a compact USB MIDI & audio system, designed with Vestax's mechatronics technology developed in the past 30 years. Despite its compact size, the VCM-100 comes with 4in4out(Stereo x 2 in/out)connection, headphone output and high quality mechanical parts placed in the control section. Having every feature fitted in to a solid metal body smaller than a standard laptop, the VCM-100 is easy to use and transportation friendly, which makes it the simple all-in-one USB audio interface that all PRO's want.

MINIMUM SYSTEM REQUIREMENTS

<Operating System>

*Windows

Requires Windows XP Service Pack 2. Does not support Windows 2000/98/Me

NOTE: DO NOT connect to a Windows 2000 Professional PC. The display will turn blue screen and the computer will freeze.

*Macintosh

Supports Mac OS X 10.3.9 / 10.4.7. Does not support previous system versions.

Multi client environments that operate the VCM-100 with more than 1 software are not supported.

<Hardware>

*Windows

CPU: Pentium III 500 MHz (Advanced CPU required for laptops)

Memory: 256MB RAM

USB 1.0/2.0 Interface

*Macintosh

CPU: Macintosh G3 600/G4 667MHz (Advanced CPU required for laptops)

Memory: 256MB RAM

USB 1.0/2.0 Interface

These minimum system requirements are for the VCM-100 hardware. If the software's system requirements are higher than the VCM-100, please prepare an advanced operating system qualified.

Macintosh CPU accelerator cards are not supported. The computer must have USB connection.

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FEATURES

> 60 parameters of various software are assignable to the VCM-100's control section via USB MIDI IN/OUT.

> The DATA SEND LED provides clear visual of the current status to assist in an authentic play mode in real time.

> Monaural 4 in/ Stero 2 out (Master out L.R, Monitor/Booth out L.R), Headphone output.
The VMC-100 provides a high definition sound, thanks to the audio codec IC designed with a built-in hardware sample rate converter, delta-sigma conversion 20bit stereo D/A converter and 18bit stereo A/D converter.

> Support for ASIO 2.0, CoreAudio and MME / WDM, MAYA44 USB is compatible to all major music and DJ and DAW applications.

> ESI(Ego systems Inc) designed ASIO apllied for its proven high reliablity.DAW application software and DJ application software work with the driver at a valiant low latency rate and high performance. (Windows will identify the VCM-100 as a 2in2out USB audio device when using the standard Windows WDM driver. Use the ASIO driver when using multi input/output with DTM application software.)

> The VCM-100 provides simple plug & play features working with Apple and Windows computers.

> The power source is selectable from USB bus-power and the exclusive power adaptor(not included). (For best performance and stable operation, please use the power adaptor if the computer's power capacity is low or if using a USB hub)

> There are no issues if you don't have any software to operate. TRAKTOR LE (Native Instrument Inc.) is bundled to the VCM-100 with exclusive control assignment files.

> Compatible with all software that allows MIDI control assignment. 3 versions of firmware can be selected to have the best match with the software. Each software's samples of MIDI control assignment files will be available at www.vestax.com soon.

> The compact metal body is thin but highly durable, and convenient for transportation.

SPECIFICATIONS

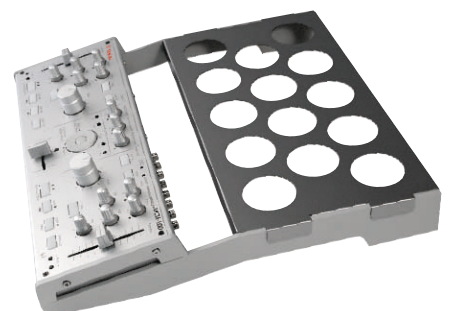<ANALOG AUDIO>

1. Sample Rates
   44.1kHz, 48kHz

2. Analog Input
   1) connector type: 4 channel analog inputs
   * 4 RCA connectors (line in 1,2,3,4)
   2) -10dBV input level, unbalanced
   3) impedance: 10K Ohm

4. Analog Output
   1) connector type: 4 channel analog line outputs
   * 4 RCA connectors (Master out L.R, Monitor/Booth out L.R)
   2) -10dBV output level, unbalanced
   3) impedance: 100 Ohm

4. Headphone Amplifier
   1) THD+N/S: -70dB, 0.03% (typical)
   2) output power: 60mW max
   3) signal to noise ratio: 110dB (typical)

<DIGITAL AUDIO>

1. Sample Rates
   44.1kHz, 48kHz

2. A/D Converter
   1) resolution: 18-bit
   2) dynamic range: 85dBA
   3) frequency response: 20~20KHz (@ fs=48kHz)

3. D/A Converter
   1) resolution: 20-bit
   2) dynamic range: 87dBA
   3) frequency response: 20~20KHz (@ fs=48kHz)

<DRIVER SOFTWARE>

1. ASIO 2.0 support (Windows)
   4 input channels / 4 output channels

2. CoreAudio support (Mac OS X)
   4 input channels / 4 output channels

3. MME/WDM support (Windows)
   2 input channels / 2 output channelsDIGITAL AUDIO

*Option table