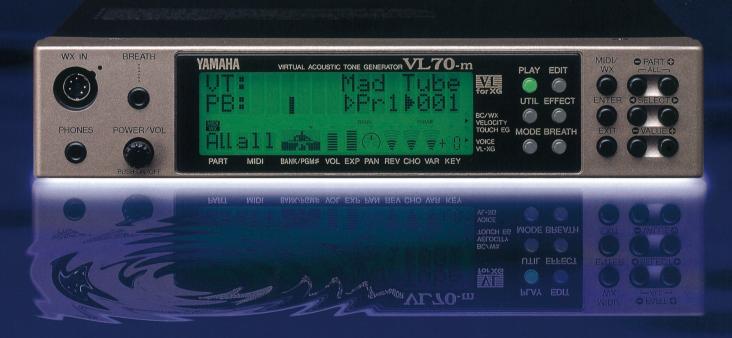
YAMAHA

VIRTUAL ACOUSTIC TONE GENERATOR

VL70-m



The electronic soloist's dream...

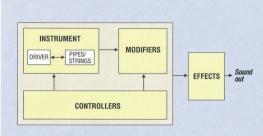
The VL70-m Virtual Acoustic Tone Generator is a compact, low-cost addition to Yamaha's expanding line of Virtual Acoustic Synthesis instruments, which gives electronic musicians the flexibility and range for greater personal musical expression. The most musical tone generation system ever created, VA Synthesis is as versatile and easy to use from a keyboard as from a Wind MIDI Controller or a Guitar MIDI Converter.



Unlimited Sound Creation and Solo Performance Potential

The consummate solo electronic musical instrument, the VL70-m uses Yamaha's unique VA Synthesis—sophisticated computer-based "physical modeling" technology which accurately simulates the complex vibrations, resonances, reflections and other acoustic phenomena that occur in a real wind or string instrument—to produce very high quality monophonic voices.

A built-in effects section with independent Reverb, Chorus, Variation and Distortion effects, plus versatile editing features and more give the VL70-m unlimited sound creation and performance potential.



The VL70-m algorithm for generating a VA voice consists of Instrument, Modifiers, and Controllers sections, and is ideally suited for solo acoustic instrument sounds like woodwinds, brass and strings—plus completely unique "hybrid" sounds made up of a combination of lip. reed, pipe, string and other acoustic instrument characteristics.

Flexible Voice Editing Options

Although many parameters can be edited via the VL70-m's panel controls, peripheral voice editing software is available to give you much more voicing flexibility. (These can be obtained by simply downloading them from Yamaha's XG-MIDI home page on the world wide web at http://www.yamaha.co.jp/english/xq/html/libhm.html via Macintosh® systems.)



■ Visual Editor

An easy-to-use application with a graphical interface which allows you to make selections using easy-to-understand palettes and clickable buttons. (A Windows® version of the Visual Editor is also available.)

■ Analog Editor

An easy-to-use application with a graphical interface which allows you to make selections using familiar analog-style knobs and switches

Expert Editor

Provides full access to the complete range of physical modeling parameters, ideal for creating entirely new voices.

Versatile and Compatible

The VL70-m is designed from the ground up for maximum versatility through compatibility with various types of external devices. A WX IN jack lets you connect a Yamaha WX-series Wind MIDI Controller such as the WX11. The "VL Extension for XG" feature significantly enhances and expands the musical capabilities of the XG format with the superior sound and expressive potential of VA Synthesis. A TO HOST connector lets you connect a personal computer for editing, sequencing and other music applications—without the need for a separate MIDI interface.

Specifications

Tone Generator

Type S/VA (Self-oscillating Virtual Acoustic Synthesis) VLR Algorithm

Reverb: 12, Chorus: 10, Variation: 44, Distortion: 3

Polyphony 1 note (monophonic)

Voice mode, VL-XG mode (VL Extension of XG) Modes Voices

Preset: 256 voices (including 137 VL-XG mapping voices) Custom: 6 voices (edited by external editor)

Connectors

Front Panel PHONES, WX IN (for WX7 or WX11 wind controller), BREATH (for BC1, BC2, or BC3 breath controller)

OUTPUT × 2 (L/MONO, R), MIDI IN, MIDI OUT, MIDI THRU, TO HOST (for MAC, IBM PC-compatible Rear Panel

computers), DC IN

General

Power Requirements
Yamaha PA-3B or equivalent AC adaptor (CD 12V 700mA)

Dimensions 220 (W) × 212 (D) × 46 (H) mm (8-3/5" × 8-2/5" × 1-4/5")

1.3kg (2 lbs., 14 oz.) Weight BC3 Breath Controller Optional

All specifications subject to change without notice

System examples ■ Setup with a Keyboard **VL70-m** BC3 The BC3 allows even greate ■ Setup with a Wind MIDI Controller VL70-m WX11 ■ Setup with a Guitar MIDI Converter VL70-m Adding VL Sound to Computer Music Playback (VL Extension for XG Format) VL70-m XG tone MDF2 MIDI Data filer



