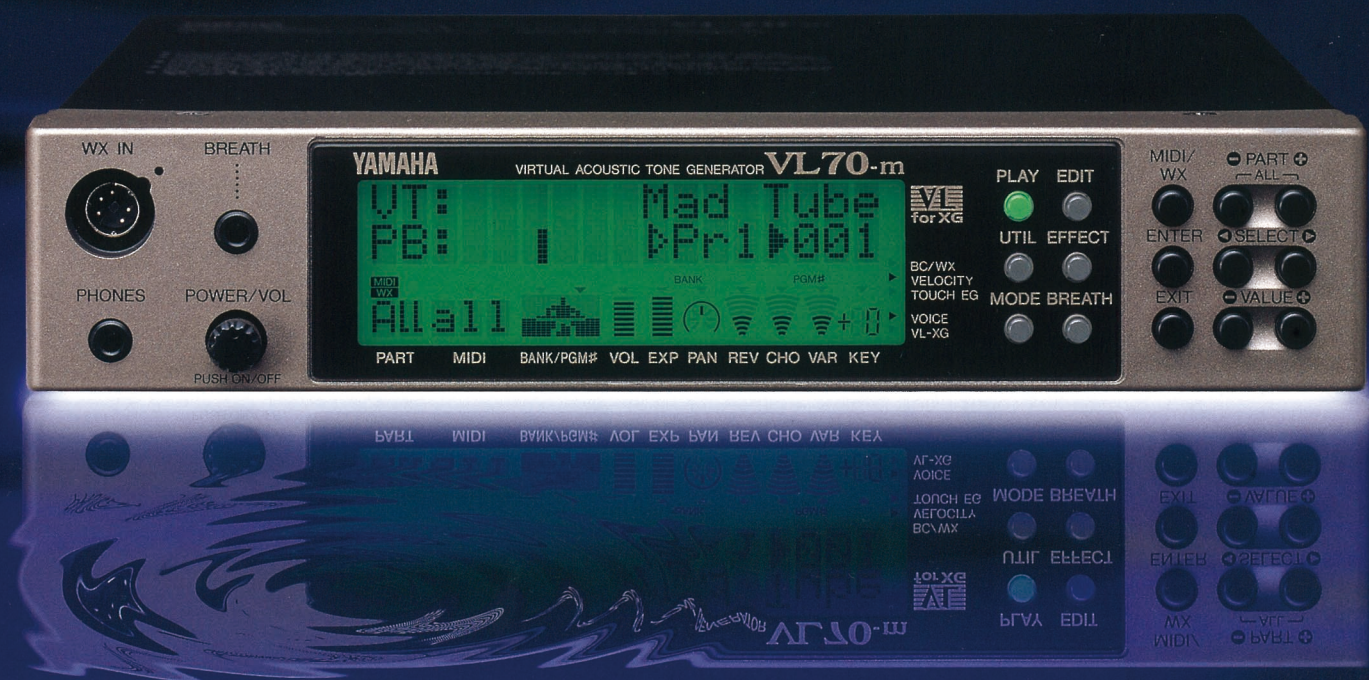


YAMAHA

VIRTUAL ACOUSTIC TONE GENERATOR

VL70-m



The electronic soloist's dream...

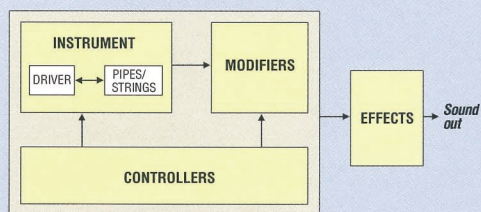
The VL70-m Virtual Acoustic Tone Generator is a compact, low-cost addition to Yamaha's expanding line of Virtual Acoustic Synthesis instruments, which gives electronic musicians the flexibility and range for greater personal musical expression. The most musical tone generation system ever created, VA 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.

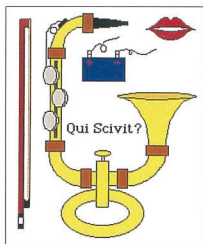
A built-in effects section with independent Reverb, Chorus, Variation and Distortion effects, plus versatile editing features and more give the VL70-m unlimited sound creation and performance potential.



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/xg/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	SVA (Self-oscillating Virtual Acoustic Synthesis) VLR Algorithm
Effect	Reverb: 12, Chorus: 10, Variation: 44, Distortion: 3
Polyphony	1 note (monophonic)
Modes	Voice mode, VL-XG mode (VL Extension of XG)
Voices	Preset: 256 voices (including 137 VL-XG mapping voices) Custom: 6 voices (edited by external editor) User: 64 voices

Connectors

Front Panel	PHONES, WX IN (for WX7 or WX11 wind controller), BREATH (for BC1, BC2, or BC3 breath controller)
Rear Panel	OUTPUT x 2 (L/MONO, R), MIDI IN, MIDI OUT, MIDI THRU, TO HOST (for MAC, IBM PC-compatible computers), DC IN

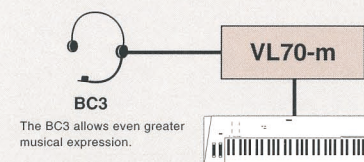
General

Power Requirements	Yamaha PA-3B or equivalent AC adaptor (CD 12V 700mA)
Dimensions	220 (W) x 212 (D) x 46 (H) mm (8-3/5" x 8-2/5" x 1-4/5")
Weight	1.3kg (2 lbs., 14 oz.)
Optional	BC3 Breath Controller

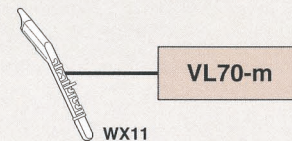
All specifications subject to change without notice.

System examples

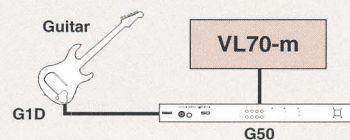
■ Setup with a Keyboard



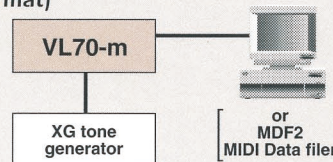
■ Setup with a Wind MIDI Controller



■ Setup with a Guitar MIDI Converter



■ Adding VL Sound to Computer Music Playback (VL Extension for XG Format)



Optional BC3 Breath Controller



For details please contact:

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