

Information

■ New algorithm

The algorithm “**PB101 Speaker Modeling**” has been newly added on VF-1.

Regarding each parameter of this speaker modeling, refer to the VF-1 manual, along with the part “New parameters” of this leaflet.

■ New patches

The addition of “Speaker Modeling” algorithm caused the new patches.

Patches: PA101, PB101, UA101, UB101

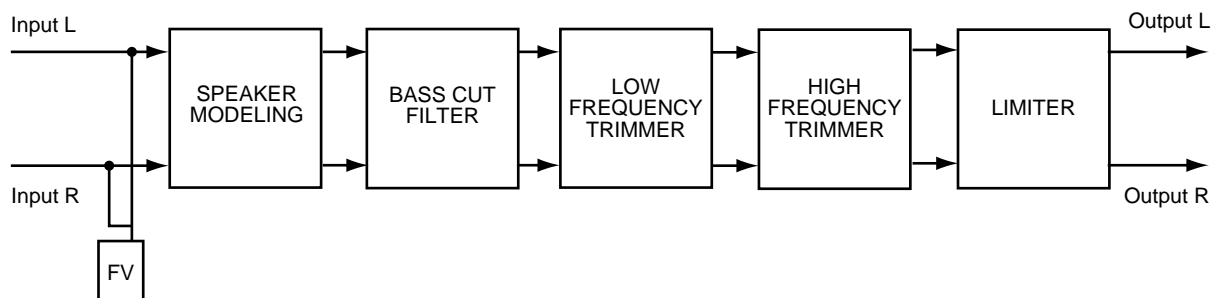
Therefore, the number of program memory described on the VF-1 manual has been changed as follows.

Program Memories **404: 202 (User) + 202 (Preset)**

User Bank **A: 101 / B: 101**

Preset Bank **A: 101 / B: 101**

PB101 SPEAKER MODELING



You can model the acoustical characteristics of a variety of speakers, ranging from high-level professional monitor speakers used in studios worldwide, to the speakers of small televisions or portable radios.

* Regarding *SP MODELING*, *LOW TRIM* and *HIGH TRIM*, refer to “New parameters” of this leaflet.

Regarding *BCF*, *LIMITER* and *MASTER*, refer to “The function of each parameter” (page 91–121) of the VF-1 manual.

SP MODELING (Speaker Modeling)

EFFECT	OFF, ON
MODEL	SUPER FLAT, PWD. BLACK, PWD. E-Bas, PWD. MACK, SMALL CUBE, WHITE CONE, WHITE C+TIS, SMALL RADIO, SMALL TV, BOOM BOX, BOOM LO-Bst
PHASE	NOR, INV

BCF (Bass Cut Filter)

EFFECT	OFF, ON
FREQUENCY	THRU, 20–2000 (Hz)

LOW TRIM (Low Frequency Trimmer)

EFFECT	OFF, ON
GAIN	–12–+12(dB)
FREQUENCY	20–2000 (Hz)

HIGH TRIM (High Frequency Trimmer)

EFFECT	OFF, ON
GAIN	–12–+12(dB)
FREQUENCY	1.0–20.0 (kHz)

LIMITER

EFFECT	OFF, ON
THRESHOLD	–60–0 (dB)
RELEASE	0–100
LEVEL	–60–+24 (dB)

MASTER

<MASTER>	
LEVEL	0–100
<FV: FOOT VOLUME>	
FOOT LEVEL	0–100

New parameters

SP MODELING (Speaker Modeling)

You can model the acoustical characteristics of a variety of speakers, ranging from high-level professional monitor speakers used in studios worldwide, to the speakers of small televisions or portable radios.

Speaker modeling has been calibrated so that the optimal effect will be obtained when Roland DS-90/DS-90A (sold separately) powered monitors are connected digitally. If you are using other speakers, you may not be able to obtain the desired effect.

EFFECT

This parameter turns the speaker modeling effect on/off.

MODEL (Modeling Speaker)

Select the speaker whose characteristics will be simulated (modeled).

SUPER FLAT

Modeling is used to compensate the DS-90/DS-90A, to produce an even flatter sound with a wider range.

PWD. BLACK

A widely used model of powered monitors (two-way type, with a woofer diameter of 170 mm (6-1/2 inches)).

PWD. E-Bas

Powered monitors characterized by a bright tone.

PWD. MACK

Powered monitors characterized by an extended low-frequency response.

SMALL CUBE

Small full-range speakers widely used in recording studios.

WHITE CONE

Sealed enclosure two-way speakers known for their white woofers and widely used in recording studios.

WHITE C+TIS

A more mild sound, with tissue paper affixed over the tweeters of the above "White Cone" speakers.

SMALL RADIO

Small pocket-type radio.

SMALL TV

Speakers built into a 14 inch size television.

BOOM BOX

Radio cassette recorder.

BOOM LO-Bst

Radio cassette recorder with the Low Boost switched on.

PHASE

Specifies the phase of the speakers.

NOR

Same phase as the input.

INV

Opposite phase of the input.

LOW TRIM (Low Frequency Trimmer)

Adjusts the low frequency band sounds.

EFFECT

This parameter turns the low frequency trimmer effect on/off.

GAIN

For low frequency trimmer, adjusts the gain (amount of boost/cut).

FREQUENCY

Set the center frequency of low frequency trimmer.

HIGH TRIM (High Frequency Trimmer)

Adjusts the high frequency band sounds.

EFFECT

This parameter turns the high frequency trimmer effect on/off.

GAIN

For high frequency trimmer, adjusts the gain (amount of boost/cut).

FREQUENCY

Set the center frequency of high frequency trimmer.

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