FORMANT SHAPING / FM SYNTHESIS TONE GENERATOR

YAMAHA

FS1R

Formant Shaping Synthesis: The Evolution of FM

Prepare to meet a totally new species of tone generator. For the first time ever it is possible to produce and control sounds with characteristics and flexibility similar to that of the human voice. This is Yamaha Formant Shaping synthesis, and the bonus is that it's based on an architechture which lends itself ideally to FM synthesis similar to the type introduced in the legendary Yamaha DX-series synthesizers. The FS1R Formant Shaping/FM Synthesis Tone Generator can create anything from totally new simulations of human vocal sounds, rhythm loops, and exhilarating trance/techno patterns to classic DX electric piano voices ... and anything in between.

The "formants" which are the key to the FS1R's extraordinary sound can be controlled via real-time controllers, envelope generators, LFOs, velocity, and a range of 90 preset "FSeqs" (Formant Sequences) which can produce unique vocal phrases, rhythm loops, and more. The FS1R also takes FM synthesis to new levels of musical versatility and control, significantly expanding the range of sound which can be produced. And since the FS1R can receive bulk data from Yamaha DX-series synthesizers, you can easily load and use or edit existing FM voices. Of course, the ability to combine Formant Shaping with FM opens a whole new universe of musical possibilities.

Real-time control is another of the FS1R's strong points. In addition to recognizing the full range of MIDI control change assignments, the FS1R features four Controller Knobs which can be assigned to a wide range of parameters for extraordinarily versatile, expressive real-time performance control. The knobs also function as data entry controls while editing for fast, efficient operation.

The FS1R also offers an extraordinary range of 1536 voice memories and 512 performance memories (including a number of classic FM sounds), a versatile dynamic filter, a powerful internal effects system, flexible EQ, and much, much, more.

If you're looking for a totally new way to express yourself in sound, don't miss the Yamaha FS1R!

FORMANT SHAPING / FM SYNTHESIS TONE GENERATOR

FS1R

THE LARGE BACKLIT LCD PANEL

shows all parameters and prompts necessary for easy, efficient operation and programming.

KNOBS MODE BUTTONS

let you choose either series of functions assigned to the FS1R's four controller knobs.

CONTROLLER KNOBS

can be assigned to a wide range of parameters for expressive real-time performance control. They also function as data entry controls while editing for fast operation.

FRONT PANEL

THE SEARCH MODE

makes it easier to locate a desired sound out of the extremely wide range of voices and performance setups by specifying the appropriate bank and voice categories.

INDIVIDUAL OUTPUT JACKS

allow you to send individual performance parts to separate channels of a mixer for independent processing, etc.

REAR PANEL

Specifications

TONE GENERATOR	
Type	Formant Shaping / FM Synthesis
Polyphony	32(without Filter) / 16 (with Filter)
Performance	384 (Preset 256 / User 128) * to be made up of up to 4 part of Voice programs as layer/split
Voice number	1536 (Preset 128 x 11 bank + User 128)
Multitimbres	4 Part / 16 MIDI Channels
Operators	8 Voiced Operator + 8 Unvoiced Operator per Voice
Algorithm	88
Fseq Formant Sequence	Preset 90 * 1 Fseq per Performance is available
Others	LFO1 / LFO2 / Dynamic Filter / Pitch EG / Filter EG / Voice Category Search function

EFFECTOR	
Reverb	15
Variation	28
Insertion	40
EQ	3 band EQ
DISPLAY	
LCD	Custom (Character & Graphic) w/backlit
LED	8
CONNECTOR	
Headphone	1/4 Stereo Phone
Outputs	1/4 Phone x 2
Individual Outputs	1/4 Phone x 2
MIDI	IN / OUT / THRU
OTHERS	
Control Knob	4 Assignable / Fixed (Attack / Release / Formant / FM)
MasterVolume	1
Compatibility	Receive DX7 MIDI Bulk dump (1 voice format only)
Dimension	480W x 235D x 44H (mm), 2.6kg

Specifications and appearance are subject to change without notice.

For details please contact:

CERTIFIED JQA MANAGEMENT SYSTEM QUALITY SYSTEM
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