

DJ Digi-Scratch Mixer SMX-2000



The SMX-2000 DJ mixer inherits a wealth of know-how from DENON's highly successful DN-2000F MKII and DN-2700F, DJ CD players. In addition to eminent durability, this new DJ mixer from DENON, offers such vital functions as an authen-

tic-sounding Scratch, to emulate the fabled sound effects of analog records spun by hand, as well as super-easy-to-use Sampling Sound.

- **The World's First Digi-Scratch Effect !**
- **High Quality Sampling Sound**
(5 sec. at 96 kHz Sampling Frequency with a maximum of 16 sec. at 32 kHz Sampling Frequency)
- **Seamless Loop**
- **Sampler and Stutter**
- **3-channel mixer includes 1 Microphone input and 5 stereo input channel**
- **Tone Controllers are provided on each channel and the effects section**
- **Monitor system provides access to CH-1, CH-2, CH-3, EFFECT and PGM.**

Enhanced Basic Performance, Improved Digital Effector Function

- **World's First Digi-Scratch !**
DENON's Digi-Scratch will work with any input, including an external CD player (e.g. DN-2000F MKII, DN-1000F or DN-2700F). Just load a sample and turn the Digi-Scratch turntable. The SMX-2000 provides three Digital Scratch playback modes: Forward, Backward or Both direction
- Pressing the FWD switch results in the output of sound only during forward rotation of the Digi-Scratch turntable. Since sound is not output during backward rotation, anyone can produce scratch effects without using the CROSSFADER.
- Pressing the BACK switch results in only the output of sound during backward rotation. Sound is not output during forward

rotation.

- Pressing the BOTH switch results in the output of sound when the Turntable is rotated forward or backward. As with conventional turntable scratch effects, CROSSFADER operation is required.

• Sampler and Stutter

The SMX-2000's Sound Sampling function is started by pressing the WRITE/STOP button to enter Sample Write mode and then the START button. Playback starts from the beginning of the sampled portion by pressing the START button again. The sound continues to play in a seamless loop until the WRITE/STOP button is pressed. If the POSITION button is pressed while the seamless loop is in play, that point is stored in memory as the 2nd starting point, and when the STUTTER button is pressed, playback instantly starts from the stored point.

• Sound Can Be Freely Mixed

3-channel mixer with 11 inputs (5 stereo, 1 mono mic)
Two channels (CH-1 and CH-2) can be crossfaded and mixed. CH-1 and CH-2 can each be switched between LINE/PHONO and LINE input, while CH-3 switches between MIC and LINE input.

• Flexible Monitor System

While mixing between Mic, Digi-Scratch, Sampler, Stutter, 1 to 3 channels, Processor Loop input and Master output, the results can be monitored via headphones. Near-field monitoring is also possible when the second Master output is fed to small speakers with built-in amps.

Professional Specifications

- **Mic input**

The SMX-2000 is equipped with one microphone input and a tone control. When the Talkover function is used, the level for any other channel is reduced by 14 dB, making the microphone easier to hear.

- **Variety of sources**

Three channels from a total of 6 (5 stereo and 1 mono mic) can be selected simultaneously for mixing. Sources consist of 3 line, 2 phono, and 1 mic. Each of the three input channels is equipped with its own tone control for more flexible sound tailoring.

- **Master Outputs**

The SMX-2000 provides two Master output channels (stereo) plus one Mono output channel.

- **Processor Loop Input/Output**

When an outboard effect unit is connected to the Processor Input / Output terminals on the SMX-2000's rear panel, special effects can be added to the Master signal. These effects are enabled and disabled by switching the Processor Loop button.

SPECIFICATIONS

INPUT SENSITIVITY

Mic	1.0 mV
Mic processor loop	90 mV
2-Phono	2.0 mV (PHONO/LINE Switchable)
5-Line	90 mV
Processor Loop	170 mV

OUTPUT

Max.	8.2 V 100 ohms
Rated	0.775 V 100 ohms
Mic Processor Loop	90 mV 100 ohms
Processor Loop	170 mV 100 ohms
Mono	300 mV 300 ohms

FREQUENCY RESPONSE

Mic	15 to 25 kHz
Phono	20 to 20 kHz (RIAA ± 2dB)
Line	10 to 25 kHz

CUE MONITOR

CH-1, CH-2, CH-3, PGM and EFX

HEADPHONE OUTPUT

800 mV at 8 ohms, 0.05% THD.

TONE CONTROL FOR EFX

HIGH and LOW ± 10 dB

TONE CONTROL FOR EACH CHANNELS

HIGH and LOW ± 10 dB

LEVEL INDICATOR

Auto peak hold
0 VU = 0.775 V
-20 dB to +8 dB, 12 positions

TALKOVER

-14 dB / off

SAMPLER/EFFECTOR

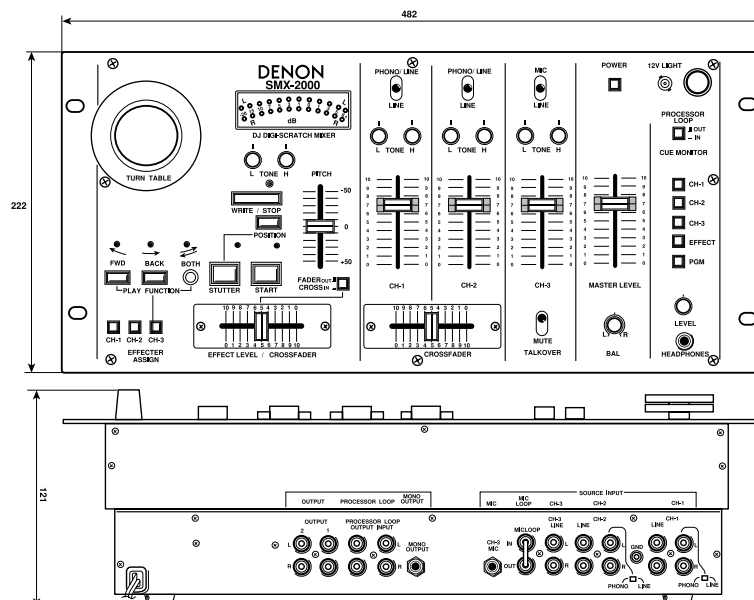
16 bit linear sampling
Sampling rate
96 kHz + 50% position at pitch
32 kHz -50% position at pitch

PITCH CONTROL RANGE

+50% - -50%
(Sampling Frequency: 96 kHz - 32 kHz)
Continuously variable pitch control

GENERAL

Power supply AC 120V ± 10%, 60Hz
Power Consumption 35W
Dimensions 482 (W) x 222 (H) x 121 (D) mm
Weight 6.8 kg



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