

S P M 8 : 2

MIDI PROGRAMMABLE MIXER

SIMMONS

▶ FROM THE BIGGEST NAME IN ELECTRONIC DRUMS



▶ THE SPM 8:2

The SPM8:2 is a full function, 8 channel, stereo mixer. By incorporating a powerful microprocessor to control the functions of the mixer, the SPM8:2 is capable of storing up to 64 different mixes — combinations of level, eq, panning and effect send settings from all 8 channels.

These mixes, called patches, can be recalled via MIDI (Musical Instrument Digital Interface) from the musician's keyboard or electronic percussion set-up. Hence it is now possible to have a totally separate mix for each new synth patch.

Being a computer controlled device, it is not necessary to duplicate the controls for each of the eight input channels. As a result, the SPM8:2 is extremely compact and fits neatly into an effects rack.

In addition, the SPM8:2 also includes a programmable, 4 function effects bank which can be applied to channels independently and stored within a patch.

The crossfade time between one patch and the next is also programmable — from instantaneous to 10 seconds.

Three band eq is available on each channel, with parametric mid-band. The SPM8:2 is quiet, very easy to set up and extremely compact, making it an ideal performance mixer for multi-keyboard and electronic percussion players.

▶ SPECIFICATION

Inputs:

- 8 channel inputs (line)
- 2 effect returns
- Data cassette in
- MIDI in
- Patch select footswitch in

Outputs:

- Left and right master outputs
- 2 effect sends
- Headphone/monitor out
- Data cassette out
- MIDI Thru

Each channel has the following programmable parameters:

- Treble cut/boost
- Mid cut/boost
- Mid frequency
- Bass cut/boost
- 2 effect sends
- Pan
- Level
- LFO effects

Other programmable parameters:

- Effect return 1 level
- Effect return 1 pan
- Effect return 2 level
- Effect return 2 pan
- Channel Crossfade time
- 0-10 seconds

Non-programmable parameters:

- Left and right output levels
- Headphone/monitor levels
- Input gain (for each channel)

LFO EFFECTS:

- Independent LFO for each channel, providing 4 effect modes:

- Effect mode 1:

- Autopanning — programmable modulation rate.

- Effect mode 2:

- Frequency sweep — mid frequency modulated, rate of sweep programmable.

- Effect mode 3:

- Dynamic positioning — Pan positioning determined by level of incoming audio signal.

- Effect mode 4:

- Dynamic frequency sweep — mid frequency modulated, rate of sweep determined by level of incoming audio signal.

LFO Effects Control:

- LFO speed
- LFO amount
- LFO mode select

Programming controls:

- Patch select
- Channel select
- Hold
- Store

Programming features:

- 64 memory patches with cassette load/dump
- Channel copy
- Channel "flat set"

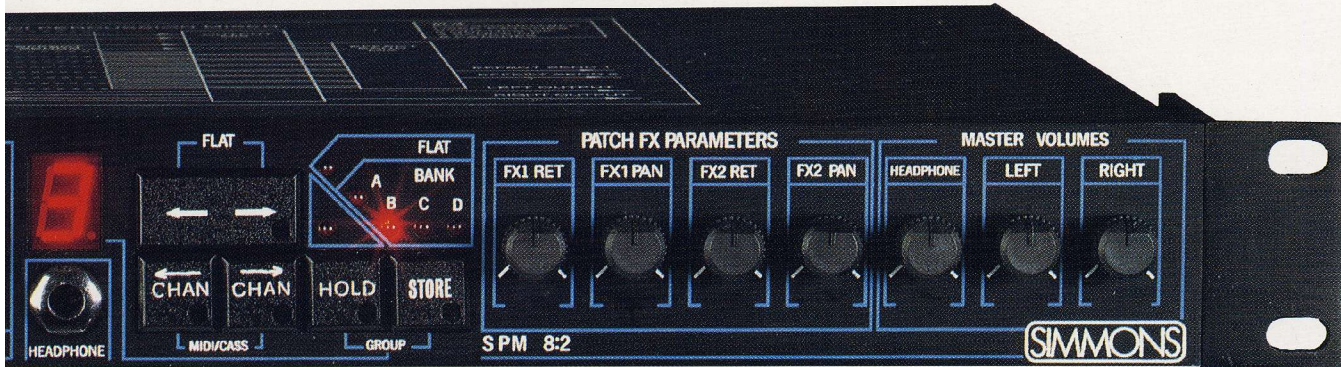
Performance features:

- Channel clip leds
- MIDI
- Recognises MIDI program changes on all channels.

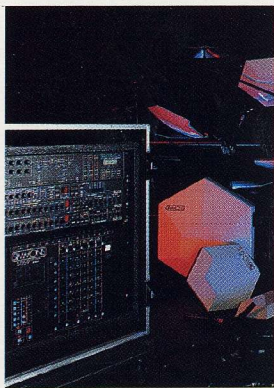
Performance:

- Distortion 0.2% T.H.D.
- Signal/noise > 78dB
- Bass cut/boost ± 12 dB
- Treble cut/boost ± 12 dB
- Mid cut/boost ± 15 dB
- Mid freq sweepable 600-6KHz
- Line inputs 3V pp max 10 kohms
- L/R mix output 3V pp max 1 kohm
- Effect send 1 and 2 3V pp max 1 kohm
- Effect return 1 & 2 3V pp max 47 kohm
- Headphone 600 ohm
- Clipping leds 2.5dB below clipping

COMES THE MOST COMPACT PROGRAMMABLE MIXER ◀



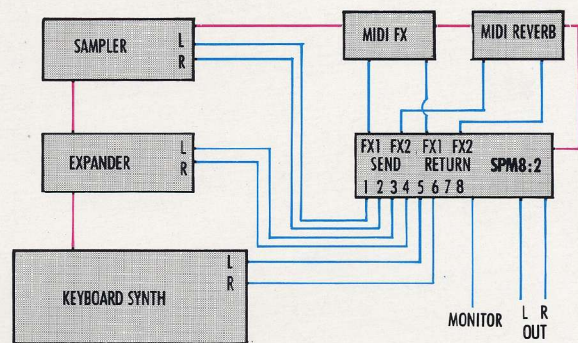
▶ APPLICATIONS



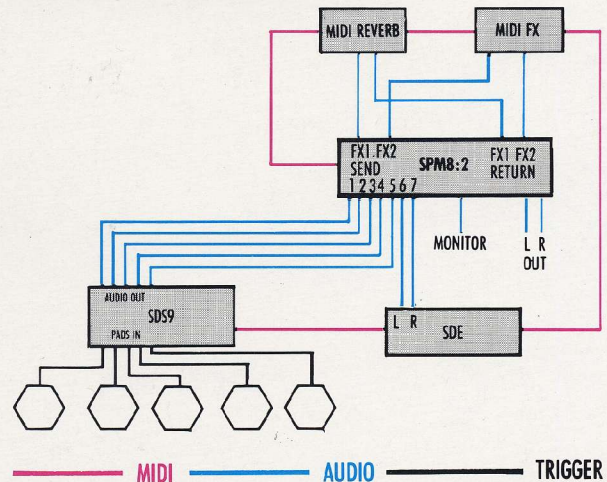
Musicians who play a multiple set up of keyboards or electronic drums will know all about the problems of audio mixing under performance conditions. The SPM8:2 puts the mix directly under the musicians control. Levels, eqs, panning and effects sends are very simply stored prior to the performance and switched during the performance via MIDI. The creative possibilities opened up by this system are endless. Effects can be brought in and out quickly, the positions of instruments in the stereo image changed radically during a performance and new eq settings applied to new sounds. More than a mixer, the SPM8:2 is a performance instrument in its own right.

▶ NETWORKING

KEYBOARD SYSTEM:



ELECTRONIC PERCUSSION SYSTEM



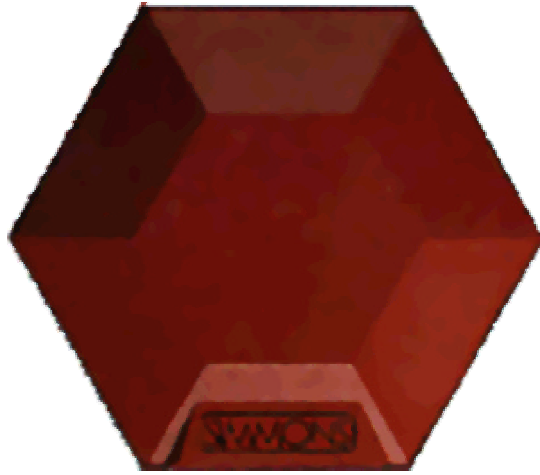


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