

E-mu Systems SP-12 twelve bit sampling percussion system

The new standard in professional digital drum computers



E-mu Systems, the pioneers in affordable professional sampling technology, present the SP-12, a digital percussion system that brings the power of user sampling to the world of programmable rhythm machines.

Our first and most important consideration in designing a professional drum computer was superior sound quality. By utilizing a twelve bit data format and an increased sampling rate, the SP-12 is able to produce sounds whose combination of clarity, brilliance, and dynamic range easily sets a new standard of fidelity for digitally sampled drum machines.

The SP-12 comes preprogrammed with a full complement of acoustic and electronic drum and percussion sounds. Additional sounds can be loaded in from cassette, an optional floppy disk drive, or you can record your own custom sounds with the SP-12's built-in user sampling facility. And since the SP-12 samples into battery backed up memory, your

personal sounds are always instantly available as soon as your SP-12 is turned on.

The SP-12 also sets new standards in the area of programmability. Tuning, decay, mix level and tempo (including gradual accelerandos and deaccelerandos) are totally programmable. The SP-12's touch sensitive play buttons give you unprecedented control over dynamics and expression. And with our new multiparameter modes, any SP-12 sound can be assigned to all eight play buttons simultaneously with a different tuning or level setting for each button.

For all its power, the SP-12 has been designed to be extremely easy to program. Flexible repeat and subsong functions greatly simplify the creation of complex song structures. A step programming mode lets you create intricate rhythm patterns as well as examine and edit patterns originally programmed in real time. Tempos may be specified numerically (accurate to .1 BPM). Or simply hit the

Tap button twice in rhythm and let the SP-12 calculate the exact tempo.

For use in professional film, video, and recording applications, the SP-12 includes a built-in SMPTE code reader/generator as well as a standard 24 pulse per quarter clock. A full MIDI implementation allows you to control your SP-12 from MIDI keyboards, sequencers, and computers. You can add our optional SP-12 Turbo kit for even more sequence and sampling memory. Or connect your SP-12 to external pads to create the ultimate digital drum set.

The SP-12. Sound, versatility, and value. Another new standard from E-mu Systems.



E-mu Systems, Inc.
applied magic for the arts

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Emulator SP-12 Specifications

Controls

Master Control

Tempo
Increment value
Decrement value
Enter data
Mix volume
Metronome volume
Keypad (select segment, select song, enter data)

Performance

Play buttons (8)
Sound bank select
Sliders 1-8
Slider function select
Tempo tap/Auto repeat
Run/Stop
Record/Edit

Programming

Segment/Song select
Segment mode:
Metronome rate
Swing factor
Copy/Append segment
Time signature
Segment length
Erase note/sound/segment
Autocorrect resolution
Step program mode
Song mode:
Program trigger
Define repeats
Call subsong
End (loop or link)
Insert song step
Delete song step
Program tempo change (accelerando or deaccelerando)
Program mix change

Setup

Select multi pitch mode
Select multi level mode
Exit multi mode
Enable dynamic buttons
Define mix
Select mix
Reassign output channel

Decay/Tune select
Loop/Truncate
Delete user sound
Set first song step
Set MIDI parameters
Select special function

Cassette/Disk

Save all segments and songs
Save all user sounds
Load all segments and songs
Load single segment
Load all user sounds
Load single sound
Verify segments and songs
Verify user sounds
Catalog disk or tape
Format disk

Sync

Select internal clock
Select MIDI clock
Select SMPTE code
Select external clock

Sample

Input gain
VU display
Assign voice
Preamp level
Threshold level
Sample length
Re-sample
Arm sample
Force sample
Stop sample

Specifications

Data format

Twelve bit linear

Sounds

Bass, snare, electronic snare, rim, toms (4), electronic toms (4), hi hat, crash, ride, claps, cowbell, user samples (8)

Segments

100

Songs

100

Sequence Capacity

5000 notes minimum (depending on density of parts)

Sample memory

1.2 seconds

Autocorrect resolution

8th note, 8th triplet, 16th note, 16th triplet, 32nd note, 32nd triplet, high resolution

Tempo range

40-240 BPM

Outputs

Mono mix, individual channels (eight, programmable), MIDI out, MIDI thru, SMPTE/sync/cassette, metronome

Inputs

Sample, MIDI, SMPTE/sync/cassette, footswitches (3)

Interface

MIDI, SMPTE, 24pqn clock

Data and sound storage

Cassette and floppy disk

Optional accessories

SP-12 Turbo kit (increases sequencer capacity to over 15,000 notes and sampling memory to 5 seconds)
Floppy disk drive (for sequence and sound storage)

Dimensions

19.5 inch width
15.4 inch depth
5.5 inch height at back
2.5 inch height at front
Shipping weight: 19 lbs.



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