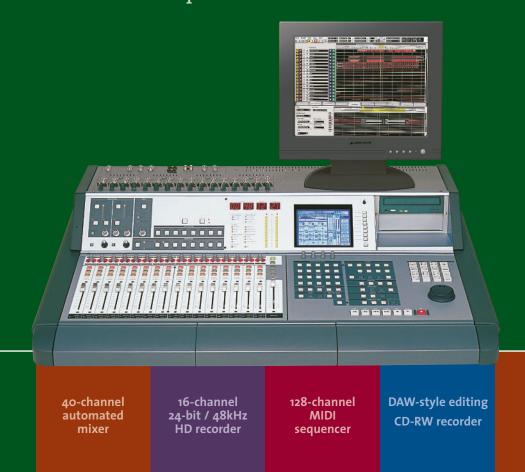
TASCAM.

SX-1LE Digital Production Environment

- ► 40-input, 32 x 8 digital mixer with 100mm motorized, touch-sensitive faders and dynamic automation of all parameters
- ▶ 48kHz, 24-bit, 16-channel hard disk recorder
- ► Complete 5.1 surround mixing capabilities: 16-track recording...plus 6 tracks for mixing
- ▶ 16 premium mic preamps with phantom power
- ► Built-in CD-RW drive for creating audio CDs, data backup, archiving and importing sounds
- ► Highly integrated and intuitive waveform, MIDI, and automation data editing
- ► Onboard LCD screen displays editing and automation information including waveforms
- ► XVGA output to optional monitor
- ► 128-track MIDI sequencer with advanced editing modes available on the fly, standard and step record modes and highly accurate timing
- ▶ 16 balanced XLR inputs, 16 1/4" TRS line inputs, 16 TRS inserts, onboard speaker switcher, 8 channels of ADAT° digital interface, 2 stereo S/PDIF inputs (with sample rate conversion) and outputs, 2 MIDI inputs (for MIDI controllers and MTC), 4 MIDI outputs, separate studio/control room monitoring and more
- ► MTC synchronization and LTC chase
- ► Expansion slots for 24 more channels of AES/EBU, TDIF, ADAT Optical digital I/O or extra analog I/O

The only digital workstation in its price range with professional features like 100mm touch-sensitive moving faders, full dynamic automation, simultaneous 16-track, 24-bit hard disk recording, and built-in 128-track MIDI sequencer.



SX-1LE Digital Production Environment

The affordable dream machine

ased on our landmark SX-1, the new SX-1LE represents an incredible value for economy minded songwriters, studio B-rooms, large churches and broadcast production rooms who want professional sound quality and features.

A greater creative tool than the sum of its parts.

You couldn't begin to assemble

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comparable individual components (or fit them into the same compact space) for the price of an SX-1LE.

And, unlike a component-based system, all of the SX-1LE's features were purposefully designed to work as a single integrated unit. The intuitive user interface was custom-built to perfectly complement the digital mixer and recording tools – for example, you can begin recording by pressing just four buttons.

The MIDI sequencer and hard disk recorder offer editing features that seamlessly unite these two technologies so there's no separation of processes that could hamper your creativity.

Unlike less advanced worksta-

tion-type "sketchpads," the SX-1LE is more than capable of delivering the creative tools, functional features and audio quality which places it in a class that's comparable to the highest end of music and audio production gear.

CD-RW drive. Integrated multifunction display. Transport controls. LED time code display 10-key pad for enter-(or bars, beats, ticks) 17 motorized faders. and channel displays. ing MIDI note values. alphanumeric info and Fader bank select for Master LED meters. PS/2 Keyboard and screen navigation. channels 1-16 & 17-32, mouse ports. Flexible monitoring Mode, sync & status Automation and buses, aux sends and and solo mode selecindicator section. returns, MIDI, etc. short-cut kevs. tion section.

The equivalent of 256 faders and 640 channel control knobs in a console just over three feet long.

The SX-1LE's 40-input, 8-bus digital mixer offers 17 touch-sensitive motorized faders with sixteen fader layers. Layers one through eight control inputs 1-16, 17-32, aux returns, group busses, mix busses, aux sends and 64 channels of MIDI. The remaining layers are user-definable, and can be set to control a variety of other functions.

Each of the SX-1LE's 40 channels features 3-band, fully-parametric EQ, a dynamics processor with compression,

gate, or expander and access to six aux sends. You control them via a virtual

channel strip
with 16
LED ring
encoders that
can also
be configured
as 16

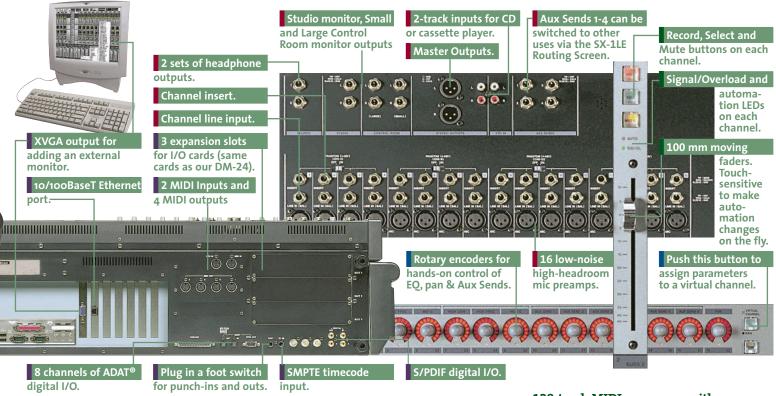


channel strip pan controls or as cue pans. Thirty-two channels also have insert points for internal or external processors.

Intuitive automation,

The SX-1LE's internal automation combines the best aspects of large-format consoles and DAW-inspired features. Automation data can be manipulated by any of the faders or encoders, or drawn as volume curves using the graphic

for songwriters, project studios, churches, schools and broadcast production.



interface. Multiple mixes can be stored in the same project file, making recall of alternate mixes of the same source material (stereo, surround recording and so

on) easy and intuitive.

Internal hard disk recorder and more.

Along with a 16track, 24-bit, 48kHz hard

disk recorder and separate 6-track surround stem recorder, the SX-1LE also has 999 virtual tracks per project that are dynamically allocatable, so you can actually record hundreds of takes without worrying about eating up tracks. Then, simply select the best material for the final tracks you print to disk.

Advanced, fully-integrated editing

Audio, MIDI and automation data can be edited simultaneously with standard cut/copy/paste commands. Nearly all editing features (including the ability to load or unload virtual tracks) can be done in real-time. And you can select regions on separate tracks at different times for editing without selecting the surrounding regions — great for any type of editing with a large number of regions to sift through.

128-track MIDI sequencer with powerful compositional tools.

Specially designed for our SX-1 and the new SX-1LE, the on-board sequencer features a *step recording mode* for input-

ting MIDI data one note at a time, specifying every attribute of a note including timing values, pitch, dynamics, modulation, etc...

You also get nondestructive quantize/ diatonic transposition, MIDI reverse play,

event list editing and graphic (piano roll) editing. A built-in 64 channel MIDI router and four MIDI outputs allow for connection to external MIDI sound modules or samplers.

The sequencer's playback offset feature, lets you move the playback of a MIDI track forward or backward in time relative to the playhead – on a per-track basis so that a slow-triggering sample can now play in time with faster ones.

The only work-station in its price range with serious surround mixing

With dedicated 6-channel stem recorder, extensive monitoring capabilities and intuitive interface, the SX-1LE is perfect for capturing and manipulat-



ing surround audio. The comprehensive GUI lets you drag a dot around a 360° field to set the levels/panning for your surround playback. Controls for setting divergence, LFE, and the ability to cancel the center channel are also included.

Get your hands on an SX-1LE at a TASCAM dealer today.

You merely have to try it to appreciate how seamlessly we've integrated the SX-1LE's powerful, professional tools.

We believe that if you compare it to other similarly-priced Digital Production Environments, you agree that nothing beats the TASCAM SX-1LE

for features, sound quality or quality construction. ■

SX-1LE

Digital Production Environment

TASCAM SX-1LE

SX-1LE Audio Specifications

44.1 /48kHz
Within 6.0% from Fs
Less than 1.7ms
Less than 0.1%
Less than 0.013%
20Hz-25kHz +0.5 dB / –1.5dB
20Hz-20kHz+0.5 dB / -1.0dB
20Hz-20kHz+0.5 dB / —1.0dB
20Hz-20kHz+0.5 dB / -1.0dB
20Hz-20kHz+0.5 dB / –1.0dB
nm):
Less than –125 dBu
Less than –80 dB
Less than –80 dB
Less than –80 dB
Less than -80 dB
Greater than –80 dB
Greater than –68 dB

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SX-1LE	interrac	ing Si	Decitic	ations
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3x 222 interrueing specifications		
Analog Inputs		
Mic In	(16) XLR jacks (–56 dBu to –2 dBu)	
Line In	(16) 1/4" TRS jacks (–42 dBu to +12 dBu)	
2-Track In	(2) RCA jacks (-10dBV nominal, 16db headroom)	
Inserts		
Channel Inserts	(16) 1/4" TRS jacks (–2 dBu nominal)	
Output Impedance	100 ohm	
Input Impedance	10k ohm	
Analog Outputs		
Stereo Out 1	(2) XLR jacks (+4 dBu nominal, +20 dBu max)	
Stereo Out 2	(2) RCA jacks (–10 dBV nominal, +6 dBV max)	
Aux Out	(4) ¼" TRS jacks (+4dBu nominal, +2 dBu max)	
Large Monitor Out	(2) 1/4" TRS jacks (+4dBu nominal, +2 dBu max)	
Small Monitor Out	(2) 1/4" TRS jacks (+4dBu nominal, +2 dBu max)	

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TASCAM AMERICA INC.

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Analog Outputs (cont	inued)
Studio Monitor Out	(2) 1/4" TRS jacks (+4dBu nominal, +2 dBu max)
Headphone Out	(2) 1/4" phone jacks (50mW + 50 mW max
Digital Inputs	
S/PDIF	(2) stereo jacks (RCA), Dual-wire and Hi-speed modes
ADAT	(1) 8-channel optical jack, 24 bits
Digital Outputs	
S/PDIF	(2) stereo jacks (RCA), Dual-wire and Hi-speed modes
ADAT	8 channels (optical jack), 24 bit
Synchronization	
MTC	(1) 5-pin DIN jack
LTC	(1) 1/4" TRS SMPTE timecode input
MIDI	
In	(1) 5-pin DIN jack
Out	(4) 5-pin DIN jacks
Other Connections	
XVGA Out	(1) High density D-sub 15-pin jack
Ethernet	(1) RJ-45 jack, 10/100 base T (10/100Mbps)

SX-1LE Other Specifications	
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Optional 3 x 8-channel I/O cards		Analog, TDIF, ADAT, AES/EBU
Displays		
LCD Display	320 x 240 dots LC	D with back light and contrast control
Stereo Meters		2 x 30 segment LED
Time Display		8 x 7 segment LED
Faders	(17) 100mm touch	n-sensitive motorized fader/ 256 steps
Voltage requiremen	nts	AC120V 60Hz / AC230V 50Hz
Power consumption	า	146W
Dimensions		
Metric		954mm W x 261mm H x 760mm D
Inches		37.56" W x 10.28"H x 29.92"D
Weight		40kg (88 lbs.)

All specifications measured at standard 44.1/48kHz sampling frequencies. All specifications are subject to change without notice. Visit www.tascam.com for the most up-to-date information. All trademarks are the property of their respective holders. © Copyright 2003 TASCAM. All Rights Reserved. #85839

