

Capture It All.™

96kHz
24 bit

SD
Media

High Sensitivity
Microphone



LS-10

Linear PCM Recorder

Studio-grade recording to go.

24-bit/96 kHz Linear PCM Recording. Capture it exactly as you hear it with dependable, extra-high-quality digital recording that sounds better than a CD.

Multiple Recording Formats, WAV, MP3 and WMA. Record and playback in the format of your choice. With three compatible formats, the LS-10 offers more versatility and enables longer recording time.

High-Sensitivity Microphones & Microphone Amplifier Circuit. Built-in high-sensitivity and low-noise stereo microphones capture every detail and nuance. The microphone amplifier circuitry is carefully designed to reduce interference for ultimate sound clarity.

Long Recording Capability — 2GB Built-in Memory and SD Removable Card Slot. The 2GB built-in flash memory assures immediate recording, while the SD slot allows for expanded capacity. Long battery life allows you to record up to 12 hours.

Aluminum Body (Compact Design). The durable, easy-to-grip and lightweight 5.33-ounce body allows you to use the recorder with one hand.

Built-in Stereo Speakers. The LS-10 incorporates built-in stereo speakers that allow you to enjoy high-quality sound playback anytime, anywhere in a compact design.

User Profile

The LS-10 Linear PCM Recorder is ideal for any musician or nature enthusiast looking to record audio in the highest-possible quality. The recorder is also great for journalists who need to interview and report news on the spot.

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LS-10

Main Specifications

Recording format	Linear PCM (Pulse Code Modulation) MP3 (MPEG-1/MPEG-2 Audio Layer 3) WMA (Windows Media® Audio)
Maximum headphone output	3 mW + 3 mW (at load of 16Ω)
Recording media	Built-in NAND flash memory (2 GB) SD/SDHC card (8 GB maximum) (optional)
Speaker	Built-in 16mm dia. round dynamic speaker x 2 (stereo)
MIC jack	3.5mm dia. mini-jack, impedance 2 kΩ
LINE IN jack	3.5mm dia. mini-jack, impedance 78 kΩ
EAR jack	3.5mm dia. mini-jack, impedance 8 kΩ or more
Maximum speaker output	200 mW + 200 mW (8Ω load)
Power requirements	Rated voltage: 3 V Batteries: Two AA batteries (LR6 or ZR6) or Two Ni-MH rechargeable batteries (optional) External power supply: AC adapter 5 V (optional)
Compatible OS (for USB connection)	Microsoft® Windows® 2000/XP/Vista Mac OS X 10.2.8/10.3/10.4/10.5
Dimensions (H x W x D)	5.18 x 1.89 x 0.88 in. (131.5 x 48 x 22.4mm) (without protrusions)
Weight	5.33 oz. (165g) (including two alkaline batteries)

Optional Accessories

- Wireless Remote Control
- AC Adapter
- Conference Microphones
- Carrying Bag
- Tripod
- Rechargeable Battery and Charger
- Zoom Microphone
- Headset

Frequency Response

- LINE IN Jack (Recording/Playback)

Linear PCM Format		MP3 Format		WMA Format	
Rec mode	Frequency response	Rec mode	Frequency response	Rec mode	Frequency response
96 kHz	20 Hz to 44 kHz	320 kbps	50 Hz to 20 kHz	160 kbps	50 Hz to 19 kHz
48 kHz	20 Hz to 23 kHz	256 kbps	50 Hz to 20 kHz	128 kbps	50 Hz to 19 kHz
44.1 kHz	20 Hz to 21 kHz	128 kbps	50 Hz to 17 kHz	64 kbps	50 Hz to 15 kHz

- Built-in Stereo Microphones (Recording): 70 Hz to 20 kHz

Reference Recording Time (Approx.)

Linear PCM Format

Rec mode	Built-in Memory (2 GB)	SD/SDHC Card				
		512MB	1GB	2GB	4GB	8GB
96 kHz 24 bit	55 min.	10 min.	25 min.	55 min.	1 hr. 50 min.	3 hr. 45 min.
96 kHz 16 bit	1 hr. 25 min.	20 min.	40 min.	1 hr. 20 min.	2 hr. 50 min.	5 hr. 45 min.
48 kHz 24 bit	1 hr. 55 min.	25 min.	55 min.	1 hr. 50 min.	3 hr. 50 min.	7 hr. 40 min.
48 kHz 16 bit	2 hr. 55 min.	40 min.	1 hr. 25 min.	2 hr. 50 min.	5 hr. 45 min.	11 hr. 30 min.
44.1 kHz 24 bit	2 hr. 5 min.	30 min.	1 hr.	2 hr.	4 hr. 10 min.	8 hr. 20 min.
44.1 kHz 16 bit	3 hr. 10 min.	45 min.	1 hr. 30 min.	3 hr. 5 min.	6 hr. 15 min.	12 hr. 35 min.

MP3 Format

Rec mode	Built-in Memory (2 GB)	SD/SDHC Card				
		512MB	1GB	2GB	4GB	8GB
320 kbps	14 hr. 10 min.	3 hr. 30 min.	7 hr.	13 hr. 50 min.	28 hr.	55 hr. 40 min.
256 kbps	17 hr. 45 min.	4 hr. 20 min.	8 hr. 50 min.	17 hr. 20 min.	35 hr.	69 hr. 40 min.
128 kbps	35 hr. 35 min.	8 hr. 50 min.	17 hr. 40 min.	34 hr. 50 min.	70 hr. 10 min.	139 hr. 30 min.

WMA Format

Rec mode	Built-in Memory (2 GB)	SD/SDHC Card				
		512MB	1GB	2GB	4GB	8GB
160 kbps	27 hr. 50 min.	6 hr. 50 min.	13 hr. 50 min.	27 hr. 10 min.	54 hr. 50 min.	109 hr.
128 kbps	34 hr. 45 min.	8 hr. 30 min.	17 hr. 25 min.	34 hr.	68 hr. 40 min.	136 hr. 20 min.
64 kbps	69 hr. 35 min.	17 hr. 20 min.	34 hr. 50 min.	68 hr. 10 min.	137 hr. 20 min.	272 hr. 50 min.

Package Contents:

- Steinberg Cubase LE 4 Software
- Carrying Case
- USB Cable
- Audio Cable
- Wind Screen
- 2 AA Batteries
- Strap
- Instruction Manual
- Warranty Card