

LS-P4

- High sound quality. Small file size.
- Hi-Res 96kHz/24-bit audio
- Professional editing functions with simple usability
- Bluetooth compatibility
- Loss-less compression format "FLAC" Recording & Playback
- Incredibly compact: light and small
- TRESMIC ~ Three microphone system for high-quality sound recording



High sound quality. Small file size.

Your perfect companion for creative recordings.

The LS-P4 is one of the first linear PCM recorders worldwide to be compatible with recording in the FLAC format. Achieve nearly perfect 96kHz/24-bit recordings that are better than CD quality – but with file sizes which are up to 30% smaller compared to the PCM WAV format.

Specifications

Recommended Application Area

Application	Video
	Music
	Nature
	Broadcasting

USB functionality

Direct USB Connection Available	
USB Speed	USB 2.0 High Speed
USB Classes	USB Storage class
	USB Composite device

Display

Display Type	Full Dot Matrix Display (108 x 84 dots)
Display Size	27.5 x 23.9mm / 1.43"
Display colour	White
Display Backlit	LED (White)

Device operation

Main Switch	Push
HOLD switch	Available
Power switch	Available

Microphone System

TRESMIC (3 Mic System)	Available
Max. Sound Pressure	120dB SPL
Internal microphones	20 - 20000Hz

Recording Modes

Recording format	FLAC / PCM (WAV) / MP3
PCM (WAV) format	
96kHz / 24bit	3h 30min
88.2kHz / 24bit	3h 45min
48kHz / 24bit	7h
48kHz / 16bit	10h 30min
44.1kHz / 24bit	7h 30min
44.1kHz / 16bit	11h
44.1kHz (Mono)	22h 30min
FLAC	
96kHz / 24bit	5h
88.2kHz / 24bit	5h 15min
48kHz / 24bit	10h
48kHz / 16bit	15h
44.1kHz / 24bit	10h 30min
44.1kHz / 16bit	16h
44.1kHz (Mono)	32h 30min
MP3 format	
320 kbps	50h
128 kbps	126h
64 kbps (Mono)	253h

Playback Modes

Playback format	FLAC / PCM (WAV) / MP3
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Frequency response

PCM	
	96kHz / 20 - 44000Hz
	88.2kHz / 20 - 42000Hz
	48kHz / 20 - 23000Hz
	44.1kHz / 20 - 21000Hz
	44.1kHz (mono) / 20 - 21000Hz
MP3	
	320kbps / 20 - 20000Hz
	128kbps / 20 - 17000Hz
	64kbps (mono) / 20 - 13000Hz

Record function

Index	Up to 99 per file
Auto recording	VCVA (Variable Control Voice Actuator) Voice Sync 2-mic Noise Cancel*
	* Support in Rec Scene Select
Recording Scenes	Music Dictation Meeting Conference Lecture Speech-Recognition
Advanced recording	Rec Monitor Manual Rec level control Low Cut-Filter Zoom Mic. Setting Overdubbing
Editing	Fade in/out (PCM) Normalize (PCM/MP3)

Playback function

Playback speed	Adjustable (50 - 350%)
File operation	Forward / Reverse Skip Fast forward and rewind
File selection	File Playback Folder Playback All Files Playback
Repeat functions	Repeat playback A-B repeat playback
Automatic playback	Random playback
Sound enhancement	Voice Balancer Equalizer Noise Cancel
Advanced Play	Voice Playback

Data organisation

Erase	Erase single files Erase all files Music folders Partial (PCM only) Trimming (PCM only)
Folders	5
Folder Music	max. 300
Files per folder	200
File move	Available
File Copy (Folder to Folder)	Available
File Replace	Available
File divide	Available
Calendar Search	Available
Normalize	Available

Other Features

Remote Control	Available (via Bluetooth App for Android)
Bluetooth®	Support HFP HF
Voice guidance	Available

Storage Media

Internal / Removable Media	Internal + Removable
External Memory	microSD card / SDHC card (512 MB - 32 GB)
Internal memory	8GB

Interfaces Input

Microphone jack	3.5 ø mm mini-jack, impedance 2 kΩ
Microphone	High / Middle / Low/ Intelligent Auto sensitivity / gain
PC interface	USB Storage class

Interfaces Output

Max. working output	150mW (8 Ω speaker)
Maximum headphone output	3 mW + 3 mW
Speaker size	Built-in ø 18 mm round dynamic speaker
Earphone jack	3.5 ø mm jack, impedance 8Ω or more

Power Supply

Power source	Battery: 1 x AAA
Alkaline battery life	Recording: 39h Playback: 31h via earphones
Internal Charging	AC / USB
	Note: Internal charging operable only with Olympus rechargeable batteries. AC-adaptor is an optional item.

Dimensions / Weight

Height	108.9mm
Width	39.6mm
Depth	14.4mm
Weight	75g (incl. battery)

Exterior

Housing material	Metal
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Languages

Menu languages	EN, FR, DE, IT, ES, RU, PL, CS, SV, NL, DA, CN
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Operating Systems & Requirements

Windows	Operating system: Windows Vista/7/8/8.1/10
Macintosh	Operating system: Mac OS X 10.8 - 10.12