

# LS-P1

- High-quality amplifier circuits capture accurate stereo sound without any signal deterioration
- Linear PCM recording up to 96kHz/24 bits for better than CD-quality audio
- Ensures clear sound without unwanted background noise with the Low-cut Filter
- Extremely compact build does not compromise on clear sound quality or cutting-edge features
- Manual Recording Level makes the most of the sound's dynamic range
- Accurate stereo sound is yours



## High quality in the palm of your hand

Slip it into your pocket or handbag. Use it for better-than-CD quality recording of your own music, for high-quality recording of nature sound or interviews. The LS-P1 audio recorder has everything you need to enjoy accurate stereo sound and ease of use wherever you may be. The powerful technology on the inside is encased in a sleek metal body on the outside - making the stylishly compact LS-P1 a PCM recorder that you'll enjoy using with every press of the intuitive buttons. The integrated Direct USB stick for convenient storage and transfer of files is just another must-have feature, along with the zoom microphone for precise sound pick-up and more.

## Specifications

### Storage Media

Internal / Removable Media	Internal + Removable
External Memory (Slot)	microSD card / SDHC card (512 MB - 32 GB)
Internal memory	4GB

### USB functionality

Direct USB Connection	Yes
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	Yes
Power switch	Yes

### Microphone System

Max. Sound Pressure	120dB SPL
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### Recording Modes

Recording format	PCM / MP3
PCM (WAV) format	
96kHz / 24bit	1h 30min
88.2kHz / 24bit	1h 45min
48kHz / 16bit	5h
44.1kHz / 16bit	5h 30min
44.1kHz (Mono)	11h
MP3 format	
320 kbps	24h 30min
128 kbps	61h
64 kbps (Mono)	123h

## Playback Modes

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

	88.2kHz / 20 - 42000Hz
	48kHz / 20 - 23000Hz
	44.1kHz / 20 - 21000Hz
	44.1kHz (mono) / 20 - 21000Hz
	128kbps / 20 - 17000Hz
	64kbps (mono) / 20 - 13000Hz
Internal microphones	60 - 20.000Hz
PCM	96kHz / 20 - 44000Hz
MP3	320kbps / 20 - 20000Hz

## Record function

Index	Up to 16 per file
Auto recording	VCVA (Variable Control Voice Actuator) Voice Sync
Recording Scenes	Meeting Conference Lecture Dictation Speech-Recognition Music
Advanced recording	Rec Monitor Manual Rec level control Low Cut-Filter Zoom Mic. Setting

## 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)
No. of folders	5
Folder Music	max. 300
Files per folder	200
File move	Yes
File Copy (Folder to Folder)	Yes
File Replace	Yes
File divide	Yes
Calendar Search	Yes

## Interfaces Input

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

## Interfaces Output

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

## Power Supply

Power Supply	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

HxWxD	108.9 x 39.6 x 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 10.5 - 10.10