

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 | 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

| | |
|-----------------------|-----------|
| TREMIC (3 Mic System) | Yes |
| Max. Sound Pressure | 120dB SPL |

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 |
|-----------------|------------------------|

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 |
| Internal microphones | 20 - 20.000Hz |

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) |
| 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 |
| Normalize | Yes |

Other Features

| | |
|----------------|-------------------------------------|
| Remote Control | Yes (via Bluetooth App for Android) |
| Bluetooth® | Support HFP HF |
| Voice guidance | Yes |

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 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

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

Exterior

| | |
|------------------|-------|
| Housing material | Metal |
|------------------|-------|

Languages

| | |
|----------------|--|
| Menu languages | EN, FR, DE, IT, ES, RU, PL, CS, SV, NL, DA, CN |
|----------------|--|

Operating Systems & Requirements

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