

LS-11

- Up to 24bit/96kHz sampling rate & PCM recording
- Elegant, compact metal design
- USB Audio class
- Auto recording
- High-quality built-in microphones
- PCM/WAV/WMA/MP3 recording & playback
- Index Marks
- Large, backlit display (1.8 inches)



Studio Quality non-stop

The Olympus LS-11 Linear PCM Recorder delivers an unbeatable combination of high-tech audio quality, portability and creative flexibility. This ensures that crisp and rich audio recordings can be captured anywhere from the office to the street, or from the dance floor to the lush soundscapes of the natural world. The Olympus LS-11 takes the award-winning style and substance of its predecessor, the LS-10, to the next level. Convenience has been improved another notch, with the ability to capture each superior audio file at the touch of a button. Designed to complement mobile modern lifestyles, the LS-11 fits comfortably in the palm of the hand for maximum freedom and flexibility. Ideal for musicians, journalists, podcasters, and anybody needing high quality audio recording and playback capability on the fly, this pocket-sized studio captures it all in superb 24bit/96kHz quality. A new editing feature even allows files to be edited in the device, while Auto Recording makes sure no important sound is lost by switching on automatically once a certain audio level has been reached. In addition to extra long battery life, the LS-11 boasts a whopping 8GB of internal memory plus an SD card slot to extend storage options.

Specifications

Storage Media

| | |
|----------------------------|---------------------------------|
| Internal / Removable Media | Internal + Removable |
| External Memory (Slot) | SD / SDHC card (512 MB - 32 GB) |
| SD / SDHC Slot | Yes |
| microSD / microSDHC card | No |
| Internal memory | 8GB |

Device operation

| | |
|---------------------|------|
| Programmable button | 0 |
| Main Switch | Push |
| HOLD switch | Yes |
| Power switch | Yes |

USB functionality

| | |
|-------------|--------------------------------------|
| USB Speed | USB 2.0 High Speed |
| USB Classes | USB Audio class USB Storage class |

Display

| | |
|-----------------|-------------------------|
| Display Backlit | Yes |
| Display colour | White |
| Display Type | Full Dot Matrix Display |
| Display Size | 30.1 x 35.4mm / 1.83" |

Recording Modes

| | |
|------------------|-----------------------|
| Recording format | PCM (WAV) / MP3 / WMA |
| 96kHz / 24bit | 3h 50min |
| 96kHz / 16bit | 5h 50min |
| 88.2kHz / 24bit | 4h 10min |
| 88.2kHz / 16bit | 6h 20min |
| 48kHz / 24bit | 7h 45min |
| 48kHz / 16bit | 11h 45min |
| 44.1kHz / 24bit | 8h 30min |
| 44.1kHz / 16bit | 12h 45min |
| 44.1kHz (Mono) | 25h 40min |
| 320 kbps | 56h 50min |
| 256 kbps | 71h 05min |
| 128 kbps | 142h |
| 64 kbps (Mono) | 284h |
| 160 kbps | 111h |
| 128 kbps | 139h 45min |
| 64kbps | 278h |
| Mono | 556h |
| PCM (WAV) format | |
| MP3 format | |
| WMA format | |

Playback Modes

| | |
|-----------------|-----------------------|
| Playback format | PCM (WAV) / MP3 / WMA |
|-----------------|-----------------------|

Frequency response

| | |
|-----|---|
| MP3 | 320kbps / 50 - 20000Hz |
| | 256kbps / 50 - 20000Hz |
| | 128kbps / 50 - 17000Hz |
| | 64kbps (mono) / 50 - 13000Hz |
| PCM | 96kHz / 20 - 44000Hz |
| | 88.2kHz / 20 - 42000Hz |
| | 48kHz / 20 - 23000Hz |
| | 44.1kHz / 20 - 21000Hz |
| WMA | 44.1kHz (mono) / 20 - 21000Hz |
| | 160kbps / 50 - 19000Hz |
| | 128kbps / 50 - 19000Hz |
| | 64kbps / 50 - 15000Hz (mono) / 50 - 13000Hz |

Record function

| | |
|--------------------|--|
| Index | Up to 16 per file |
| Operation | |
| Auto recording | Continuous Recording Auto recording |
| Advanced recording | Zoom Mic. Setting (DVM) Direct recording Rec Monitor Manual Rec level control Low Cut-Filter |

Playback function

| | |
|-------------------|-------------------|
| Gapless Playback | Yes |
| Repeat functions | Repeat playback |
| Sound enhancement | EUPHONY Reverb |

Data organisation

| | |
|---|---|
| Folder Audible | no audible support |
| Folder Podcasts | no podcast support |
| Folder Music | 128 |
| Files per folder | 200 |
| No. of folders | 5 |
| File move | Yes |
| File divide | Yes (only PCM mode) |
| File Copy (Folder to Folder) | Yes |
| File Copy (internal memory - external memory) | Yes |
| Time/date info | Yes |
| Erase | Erase all files Erase single files Partial (PCM only) |

Workflow function

| | |
|---------------------|----|
| Author ID Setting | No |
| Pending File | No |
| Priority setting | No |
| Worktype ID Setting | No |

Other Features

| | |
|----------------------------|-----|
| Audible support | No |
| Beep signal (system sound) | Yes |
| Configurable Firmware | No |
| Podcast support | No |
| Remote Control | Yes |
| Voice feedback / guidance | No |

Software

| | |
|-------------------------------------|---------------------------|
| corresponding Audio software (type) | Music Production Software |
| Corresponding Audio software | Steinberg Cubase 4 LE |

Interfaces Input

| | |
|-------------------------------|-------------------------------------|
| LINE IN input level | - 6 dBv |
| PC interface | USB Cable |
| SD / SDHC interface | no function |
| Microphone sensitivity / gain | High (- 59 dBv)- /- Low (- 39 dBv) |
| Microphone jack | 3.5 ø mm mini-jack, impedance 2 kΩ |
| LINE IN jack | 3.5 ø mm mini-jack, impedance 78 kΩ |

Interfaces Output

| | |
|--------------------------|---|
| Max. working output | 200 mW + 200 mW (8 Ω speaker) |
| Maximum headphone output | 3 mW + 3 mW |
| Speaker Diameter | Stereo (two built-in ø 16 mm round dynamic speaker) |
| Earphone jack | 3.5 ø mm jack, impedance 8Ω or more |

Power Supply

| | |
|-----------------------|--------------------------------------|
| Power Supply | Battery: 2 x AA |
| Alkaline battery life | Recording: 23h (PCM 44.1kHz / 16bit) |
| | Playback: 52h |
| Ni-MH battery life | Recording: 22h (PCM 44.1kHz / 16bit) |
| | Playback: 42h |
| External power supply | AC-Adapter 5V / 300 mA |

Dimensions

| | |
|--------|----------------------|
| Weight | 165g (incl. battery) |
| HxWxD | 48 x 131.5 x 22.4mm |

Languages

| | |
|----------------|--|
| Menu languages | English, German, French, Spanish, Italian, Russian |
|----------------|--|

Hardware Security

| | |
|-----------------------------|----|
| Device Locky by Fingerprint | No |
| Device lock by PIN code | No |
| Lock single files | No |

Operating Systems & Requirements

| | |
|-----------|---|
| Windows | Operating system: Microsoft Windows 2000/XP/Vista (Free USB port) |
| Macintosh | Operating system: Mac OS 10.2/10.3/10.4/10.5 (Free USB port) |

Exterior

| | |
|------------------|--------|
| Housing material | Metal |
| Housing colour | Silver |