



OLYMPUS LS-11 Linear Recorder Instruction Manual

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OLYMPUS LS-11 Linear Recorder



- 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

USB functionality

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

Display

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

Device operation

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

Recording Modes

Recording format	PCM (WAV) / MP3 / WMA
PCM (WAV) format	
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
MP3 format	
320 kbps	56h 50min
256 kbps	71h 05min
128 kbps	142h
64 kbps (Mono)	284h
WMA format	
160 kbps	111h
128 kbps	139h 45min
64kbps	278h
Mono	556h

Playback Modes

Playback format	PCM (WAV) / MP3 / WMA
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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

Erase	Erase all files Erase single files Partial (PCM only)
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

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
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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

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
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Hardware Security

Device Locky by Fingerprint	No
Device lock by PIN	No

code	110
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

Documents / Resources

	<p>OLYMPUS LS-11 Linear Recorder [pdf] Instruction Manual LS 11, Linear Recorder, LS 11 Linear Recorder, Recorder</p>
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