

LS-11

A studio for your pocket

Logistic data

Article Number: N2283521

EAN code:

Main information

- Elegant, compact metal design
- Up to 24bit/96kHz sampling rate & PCM recording
- High-quality built-in microphones
- PCM/WAV/WMA/MP3 recording & playback
- USB Audio Class
- Index Marks
- Auto recording
- Large, backlit display (1.8 inches)
- Long battery life time
- SD / SDHC card slot
- Built-in stereo speaker
- Steinberg Cubase 4 LE software
- Cubase 4 LE and LS series Trainings video in 6 languages (English, German, French, Spanish, Italian, Russian)
- package includes remote control (incl. battery) and receiver for remote-in socket of LS series
- new case for device and accessories
- Improvement of frequency response
- Improvement of the clock accuracy

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
SD / SDHC card	Yes
microSD / microSDHC card	No
Internal memory	8 GB
Replaceable memory	SD card (512 MB - 8 GB) + SDHC

USB functionality

USB Audio Class	Yes
USB storage class	Yes
USB Speed	USB 2.0 High Speed

Display

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

Product status: internal

OPR: 22.01.2008

Device operation

HOLD switch	Yes
Power switch	Yes

Recording Mode

Recording format PCM	WAV / WMA / MP3 , PCM , This high-quality, non-compressed recording format gives you better-than-CD sounds. Choose from the following modes to get the best combination of quality and recording time:
96 kHz 24 bit	0 h 55 min
96 kHz 16 bit	1 h 25 min
48 kHz 24 bit	1 h 55 min
48 kHz 16 bit	2 h 55 min
44.1 kHz 24 bit	2 h 5 min
44.1 kHz 16 bit	3 h 10 min
	Recording time is expandable with optional SD / SDHC card (e.g. more than 12 h with 8 GB card, 44 kHz 16 bit).
MP3	The ever-popular MP3 format is great for distributing music online - and the LS-10 lets you record directly in a choice of MP3 modes for different recording times:
320 kbps	14 h 10 min
256 kbps	17 h 45 min
128 kbps	35 h 35 min
	Recording time is expandable with optional SD / SDHC card (e.g. more than 139 h with 8 GB card, 128 kbps).
WMA	Need to record for even longer? The LS-10 supports the versatile WMA format, which offers the following recording times:
160 kbps	27 h 50 min
128 kbps	34 h 45 min
64 kbps	69 h 35 min
	Recording time is expandable with optional SD / SDHC card (e.g. more than 272 h with 8 GB card, 64 kbps). Recording times shown above are approximate values for reference. Maximum recording capacity per each file is limited of approx. 4 GB due to file system restrictions. For WMA format the maximum recording time is approx. 26 hours 40 minutes. Available recording time for SD/SDHC memory cards refer to the Olympus official web site (http://www.olympus-europa.com).
Playback Modes	WAV / WMA / MP3 , PCM ,

Frequency response

96 kHz (PCM)	20 - 44.000 Hz
48 kHz (PCM)	20 - 23.000 Hz
44.1 kHz (PCM)	20 - 21.000 Hz
320 kbps (MP3)	50 - 20.000 Hz
256 kbps (MP3)	50 - 20.000 Hz
128 kbps (MP3)	50 - 17.000 Hz
160 kbps (WMA)	50 - 19.000 Hz
128 kbps (WMA)	50 - 19.000 Hz
64 kbps (WMA)	50 - 15.000 Hz
Built-in stereo speaker	70 - 20.000 Hz

Record function

Index	Up to 16 in one file
Partial Erase	Yes (only PCM mode)
Auto recording	Yes
Zoom Mic. Setting (DVM)	Yes
Rec Monitor	Yes
Manual Rec level control	Yes
Low-cut filter	Yes

Playback function

EUPHONY	Yes
Repeat playback	Yes
Reverb	Yes
Gapless Playback	Yes

Data organisation

Folder music	128
Files per folder	200
Folder voice	5
File move	Yes
File divide	Yes (only PCM mode)
File Copy (Folder to Folder)	Yes
File copy (internal memory - external memory)	Yes

Other Features

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

Interfaces Input

Microphone sensitivity	High (- 59dBv) Low (- 39dBv)
Microphone jack	3.5 ø mm mini-jack, impedance 2 k?
LINE IN jack	3.5 ø mm mini-jack, impedance 78 k?
LINE IN jack input	- 6dBv

Interfaces Output

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

Power Supply

Power Supply	AA batteries (LR6 or ZR6) or two Ni-MH rechargeable batteries
Alkaline battery life	Recording: 23 h (PCM 44.1kHz 16 bit)
Ni-MH battery life	Recording: (PCM 44.1kHz 16 bit)
External power supply	AC-Adapter 5V / 300 mA

Languages

Menu languages	English, German, French, Spanish, Italian, Russian
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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)

Dimensions

Weight	165 g (incl. battery)
WxHxD	48 x 131.5 x 22.4 mm
Housing material	Metal
Housing colour	Silver

Box Contents

- Warranty Card
- 2x AA Batteries
- Handstrap
- WS-5 Windscreen
- DVD-ROM (Sound Editing Software "CUBASE LE4")
- Cubase 4 LE and LS series Trainings video in 6 languages (English, German, French, Spanish, Italian, Russian)
- CS-128
- KA-334 Audio connection cable
- KP-22 USB cable
- RS-30W Remote Control
- Instruction Manual

Power Supply

- A-513

Microphones

- ME-30W Conference Kit
- ME-31 Compact Gun Microphone
- ME-32 Compact Gun Microphone

Cables & Adapters

- KA-334 Audio connection cable
- KP-22 USB cable

Case & Strap

- CS-117 Case

Other Accessories

- WJ1 Wind Jammer for LS-10