

LS-3

- Pocket-sized linear PCM recorder with 24bit/96kHz sampling rate
- 4GB internal memory plus microSD(HC) slot
- WAV/WMA/MP3 recording formats
- Partial Erase, File Divide, Move and Copy
- 3 microphones (stereo directional MIC and centre omni-directional MIC)
- Pre-recording: starts up to 2 seconds before recording button is pressed
- Rechargeable batteries & USB charging function



PCM quality pocket-sized

With the Olympus LS-3 you can have it all: Superb sound quality, smooth operation and a durable, take-me-anywhere design concept that fits in literally every pocket. Despite its minimal weight - just 90g with batteries - and its incredibly small size, you'll find many examples of advanced sound engineering: Awesome superior-to-CD quality sound due to the 24bit/96kHz PCM format, two directional microphones with 90° orientation for most natural stereo recording, plus an omni-directional centre microphone capable of capturing lower bass ranges with stunning clarity. If it's a bit hectic you will love the pre-recording option, which enables you to start recording up to 2 seconds before you press the recording button. The built-in 4GB memory enables, for instance, 65 hours of recording time in popular mp3 format (128 kbps). If that's still not enough you can extend the recording capacity using the microSD(HC) card slot. Furthermore, the LS-3 comes with rechargeable Ni-MH batteries and an internal USB charging function ideal for people on the move. Whether you're a musician looking to record practice sessions, shows or song ideas, a nature enthusiast with a passion for capturing bird songs, a journalist, choir or theatre director, or simply anyone who demands exceptionally clear, crisp sound, the pocket-sized LS-3 is must-have gear.



Specifications

Storage Media

Internal memory	4GB Flash Memory
microSD / microSDHC card	Yes

USB functionality

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

Display

Display Type	Full Dot Matrix Display
Display Size	31 x 29.7mm 1.69"
Display Backlit	Yes

Device operation

HOLD switch	Yes
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Recording Modes

Recording format	PCM (WAV) / MP3 / WMA
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PCM (WAV) format

96kHz / 24bit	1h 45min
88.2kHz / 24bit	1h 55min
48kHz / 16bit	5h 25min
44.1kHz / 16bit	5h 55min
44.1kHz (Mono)	11h 55min

MP3 format

320 kbps	26h
256 kbps	32h 30min
128 kbps	65h 30min
64 kbps (Mono)	4682min 40 21000

WMA format

128 kbps	64h
64kbps	128h
32 kbps	257h
Mono	1007h

Frequency response

Internal microphones

Center Mic = ON	20 - 20.000Hz
Center Mic = OFF	70 - 20.000Hz
MP3	320kbps / 40 - 20000Hz 256kbps / 40 - 20000Hz 128kbps / 40 - 17000Hz 64kbps (mono) / 40 - 13000Hz
PCM	96kHz / 40 - 44000Hz 88.2kHz / 40 - 42000Hz 48kHz / 40 - 42000Hz 44.1kHz / 40 - 21000Hz
WMA	128kbps / 40 - 19000Hz 64kbps / 40 - 16000Hz 32kbps / 40 - 9000Hz (mono) / 40 - 3000Hz

Record function

Operation	
Index	Up to 16 per file
Auto recording	Pre-Recording Voice Sync VCVA (Variable Control Voice Actuator) Timer recording
Recording Scenes	User Defined Setting
Advanced recording	Rec Monitor Low Cut-Filter Zoom Mic. Setting (DVM) Manual Rec level control Limiter Compressor



Playback function

Gapless Playback	Yes
Playback control	Fast play Slow Play Cue/Review Intro scan
File operation	Fast forward and rewind Forward / Reverse Skip
Repeat functions	Repeat playback A-B repeat playback
Automatic playback	Alarm playback Random playback
Sound enhancement	Noise Cancel Voice Filter Reverb EUPHONY
Playback Scenes	3 settings storable

Data organisation

Erase	Erase all files Erase single files Erase lock Partial (PCM only)
No. of folders	5
Folder Music	max. 200
Files per folder	200
Time/date info	Yes
File move	Yes
File divide	Yes (Only PCM and MP3 files)
File Copy (Folder to Folder)	Yes
File Copy (internal memory - external memory)	Yes
device format	Yes

Other Features

Beep signal (system sound)	Yes
Voice guidance	Yes
Remote Control	Yes (optional)
Tripod socket	1/4"

Software

Corresponding Audio software	Sonority
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Interfaces Input

PC interface	USB Cable
Microphone jack	3.5 ø mm mini-jack, impedance 2.2 kΩ
Microphone input level	-70dBv
Microphone sensitivity / gain	High / Middle / Low-

Interfaces Output

Earphone jack	3.5 ø mm mini-jack, impedance 8Ω or more
Maximum headphone output	≤ 150 mV
Speaker	20mm (mono) / Built-in round dynamic speaker
Max. working output	400mW (8 Ω speaker)

Power Supply

Max. Battery Life	Alkaline Battery, 44h Rec., WMA mono Alkaline Battery, 30h Rec., 44.1kHz (PCM)
External power supply	USB connecting AC adapter (A-514)
Power Supply	Battery: 2 x AAA
Internal Charging	AC / USB Note: Internal charging operable only with Olympus rechargeable batteries. AC-adapter and cradle are optional items.

Dimensions

Weight	90g (incl. batteries)
HxWxD	112 x 39.8 x 15.9mm (without protrusions)

Languages

Menu languages	EN, ES, FR, DE, IT, RU, PL, CS, SV, DK, NL, BR, CN
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Operating Systems & Requirements

Windows	Operating system: Windows XP (SP2 or later), Windows Vista, Windows 7 (Free USB port)
Macintosh	Operating system: Mac OS X 10.4.11 - 10.6 (Free USB port)

Exterior

Housing material	Aluminium
Housing colour	Black

