

**OLYMPUS**



STOP  
compromising  
on sound  
quality.

Linear PCM Recorder

**LS-11**

The evolution continues.

It weighs slightly more than five ounces. It fits comfortably in your hand. And you can use it to record just about anything, anywhere. It's the Olympus LS-11 Linear PCM Recorder. If you're a musician, it's ideal for practicing, capturing performances and writing songs. If you love nature, take the LS-11 into the wild to capture bird songs and animal sounds. If you're a journalist, use it to cover press conferences, speeches and announcements. It's perfect for conducting interviews. **The LS-11 is easy to use. Just take it out of the box and start recording. You'll have plenty of useful features: on-board speakers, a generous 8 GB of internal memory and the ability to record in superior-to-CD-quality sound. With so many uses for the LS-11, the creative possibilities are endless. Explore them all.**



The LIST of uses is virtually endless.

**Bigger sound from a small recorder.** For all you techies, the LS-11 features a quantization rate of up to 24 bits and a sampling frequency of up to 96 kHz. For all you non-techies, this means you can record in better-than-CD-quality sound. You'll capture every note and every nuance in impressive, rich sound.



**More memory for more music.** Record to your heart's content. An 8 GB internal memory captures hours of practices, performances and song-writing sessions. Add an additional 32 GB with an SD or SDHC card. The LS-11 allows you to effortlessly move files between internal and external memory for plenty of recording flexibility. The 23-hour battery life ensures you won't miss a minute.

**Find what you want fast.** Let's say you're recording a concert and the band is about to play one of your favorite songs. Just press a button and create an index mark. After the show is over, you can instantly find the song without having to search the whole file. You can even add an index mark during playback.

**Nothing gets past these microphones.** Pick everything up. The LS-11 has two condenser stereo microphones that don't miss a note. Capture any sound with high sensitivity and low noise. The rigid aluminum case minimizes vibration for extra clarity. A 90-degree outward positioning lets you record with a wider stereo sound. The LS-11 will even record automatically when the microphones sense sound and stop when there's silence.

**Set your level.** Fine-tune your recording with a level meter that's displayed on the LS-11's LCD along with a PEAK indicator. Record right away with the automatic level control.

**Find the right format for you.** Choose from a WAV format noncompression linear PCM recording, MP3 or WMA. Enjoy gapless playback between same format and sampling rate.

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**Capture It All.**

Unit below is shown at actual size.

Play it back.  
NOW.



## Main Specifications

Recording format	Linear PCM (Pulse Code Modulation) WMA (Windows Media® Audio) MP3 (MPEG-1/MPEG-2 Audio Layer 3)
Maximum headphone output	6.7 mW + 6.7 mW (at load of 16 Ω)
Recording media	Built-in NAND flash memory (8 GB) SD/SDHC Card (32 GB maximum) (optional)
Speaker	Built-in 16 mm dia. round dynamic speaker x 2
MIC Jack	3.5 mm dia. mini-jack, impedance 2 kΩ
LINE IN Jack	3.5 mm dia. mini-jack, impedance 78 kΩ
EAR Jack	3.5 mm dia. mini-jack, impedance 8 Ω or more
Maximum speaker output	200 mW + 200 mW (8 Ω load)
Power requirements	Rated voltage : 3 V Batteries : Two AA batteries (LR6 or ZR6) or Two Ni-MH rechargeable batteries (optional) External power supply : AC adapter 5 V / 300 mA (optional)
Dimensions (H x W x D)	131.5 mm x 48 mm x 22.4 mm (without protrusions)
Weight	165 g (including two alkaline batteries)
Included items	Instruction manual, AA battery x 2, USB cable, Audio cable, Carrying case, Strap, Windscreen, DVD-ROM (Sound Editing Software, Cubase LE 4)
Optional accessories	AC adapter, Exclusive remote controller, Earphone, Compact gun microphone, Windjammer, SD memory card, Cradle, Tripod, Battery charger

## Frequency Response

### LINE IN Jack (Recording/Playback)

Linear PCM Format		MP3 Format		WMA Format	
Rec mode	Frequency response	Rec mode	Frequency response	Rec mode	Frequency response
96 kHz	20 Hz to 44 kHz	320 kbps	50 Hz to 20 kHz	160 kbps	50 Hz to 19 kHz
48 kHz	20 Hz to 23 kHz	256 kbps	50 Hz to 20 kHz	128 kbps	50 Hz to 19 kHz
44.1 kHz	20 Hz to 21 kHz	128 kbps	50 Hz to 17 kHz	64 kbps	50 Hz to 15 kHz
44.1 kHz/mono	20 Hz to 21 kHz	mono	50 Hz to 17 kHz	mono	50 Hz to 15 kHz

• Built-in Stereo Microphones (Recording): 60 Hz to 20 kHz

## Reference Recording Time (Approx.)

### Linear PCM Format

Rec mode	Built-in Memory (8 GB)	SD/SDHC Card				
		2 GB	4 GB	8 GB	16 GB	32 GB
96 kHz 24 bit	3 hr. 50 min.	55 min.	1 hr. 50 min.	3 hr. 45 min.	7 hr. 30 min.	15 hr. 25 min.
96 kHz 16 bit	5 hr. 50 min.	1 hr. 20 min.	2 hr. 50 min.	5 hr. 45 min.	11 hr. 30 min.	23 hr. 10 min.
88.2 kHz 24 bit	4 hr. 10 min.	1 hr.	2 hr.	4 hr. 10 min.	8 hr. 15 min.	16 hr. 45 min.
88.2 kHz 16 bit	6 hr. 20 min.	1 hr. 30 min.	3 hr. 5 min.	6 hr. 15 min.	12 hr. 30 min.	25 hr. 15 min.
48 kHz 24 bit	7 hr. 45 min.	1 hr. 50 min.	3 hr. 50 min.	7 hr. 40 min.	15 hr.	31 hr.
48 kHz 16 bit	11 hr. 45 min.	2 hr. 50 min.	5 hr. 45 min.	11 hr. 30 min.	23 hr.	46 hr. 30 min.
44.1 kHz 24 bit	8 hr. 30 min.	2 hr.	4 hr. 10 min.	8 hr. 20 min.	16 hr. 30 min.	33 hr. 45 min.
44.1 kHz 16 bit	12 hr. 45 min.	3 hr. 5 min.	6 hr. 15 min.	12 hr. 35 min.	25 hr.	50 hr. 40 min.
44.1 kHz/mono	25 hr. 40 min.	4 hr. 50 min.	12 hr. 10 min.	24 hr. 55 min.	50 hr. 50 min.	101 hr.

### MP3 Format

Rec mode	Built-in Memory (8 GB)	SD/SDHC Card				
		2 GB	4 GB	8 GB	16 GB	32 GB
320 kbps	56 hr. 50 min.	13 hr. 50 min.	28 hr.	55 hr. 40 min.	110 hr.	224 hr.
256 kbps	71 hr. 5 min.	17 hr. 20 min.	35 hr.	69 hr. 40 min.	137 hr.	280 hr.
128 kbps	142 hr.	34 hr. 50 min.	70 hr. 10 min.	139 hr.	275 hr.	560 hr.
mono	284 hr.	54 hr. 50 min.	136 hr.	276 hr.	562 hr.	1120 hr.

### WMA Format

Rec mode	Built-in Memory (8 GB)	SD/SDHC Card				
		2 GB	4 GB	8 GB	16 GB	32 GB
160 kbps	111 hr.	27 hr. 10 min.	54 hr. 50 min.	109 hr.	215 hr.	438 hr.
128 kbps	139 hr.	34 hr.	68 hr. 40 min.	136 hr. 20 min.	269 hr.	547 hr.
64 kbps	278 hr.	68 hr. 10 min.	137 hr. 20 min.	272 hr. 50 min.	538 hr.	1095 hr.
mono	556 hr.	107 hr.	266 hr.	539 hr.	1098 hr.	2189 hr.

## Accessories:



WJ-1  
Windjammer  
[#145165]



ME-31  
Compact Gun  
Microphone  
[#145062]



ME-32  
Compact Zoom  
Microphone  
[#145063]



Silicone  
Clear Skin  
[#148117]



RS-30W  
Remote  
Control  
[#147026]

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