



LSseries LS-14

TRESMIC
3 MICROPHONE SYSTEM



*1. Requires optional AC adaptor. *2. Requires optional remote control (RS30W).

Sound and music recording with the TRESMIC 3 microphone system. New SMART mode makes it easy for everyone to capture high-quality recordings.

Product features

Easy manual recording with SMART mode

- 1  Set the dial to "SMART"
- 2  Press the REC button
- 3  Play with the highest volume during countdown

The best recording level is automatically set after the countdown. Recording starts as soon as the countdown ends!

TRESMIC 3 microphone system for superior sound

The three microphone system "TRESMIC" includes both directional and omnidirectional microphones to faithfully capture the depth and fullness of sound. The omnidirectional microphone is placed between two stereo microphones, which supply a robust stereo effect. This set of microphones provides a wide frequency response of 20Hz to 20kHz when the centre microphone is turned on and 70Hz to 20kHz when off.



Maximum sound pressure level of 130dB (SPL) eliminates clipping of loud sounds

The newly designed directional microphone amplifier circuit has allowed Olympus to achieve a maximum sound pressure level of 130dB (SPL). As a result, the LS-14 doesn't suffer the same clipping issues experienced by other recording devices, even for louder musical instruments such as drums and percussion.

Equipped with convenient functions to assist musicians

Equipped with editing, overdubbing, tuner and metronome functions essential for musicians. A component of the on-device editing is the file trimming function which allows you to remove unnecessary parts at the beginning and the end of a recording.

- Realistic sounds even for bass drums!
- No high volume clipping
- Record closer to the amplifier

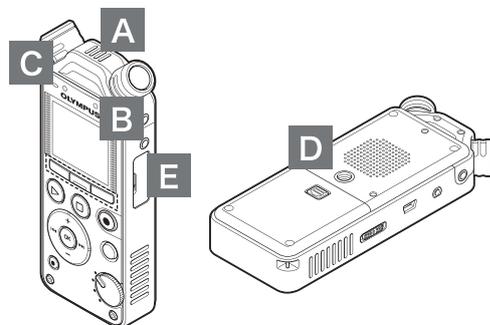


Specifications

Recording Format	Linear PCM (WAV)/MP3	
Internal Memory	4GB	
External Memory	Max. 32GB (optional)	
Frequency Characteristics (Internal microphone)	20Hz~20KHz (Center Mic ON) 60Hz~20KHz (Center Mic OFF)	
MIC Jack	ø3.5mm, impedance 2kΩ	
LINE IN Jack (MIC Jack)	ø3.5mm, impedance 10kΩ	
XLR/Phone Jack	-	
Phantom Power Supply	-	
EAR Jack	ø3.5mm, impedance 8Ω or more	
Maximum Headphone Output	2mW + 2mW (at load of 22Ω)	
Speaker	Built-in ø28mm round dynamic speaker	
Maximum Speaker Output	300mW (speaker 8Ω)	
File Divide	✓(PCM/MP3)	
Partial Erase	✓(PCM)	
Trimming	✓(PCM)	
Wireless Remote Control (RS30W)	✓(optional)	
Tresmic	✓	
Voice Activated Recording	-	
Play Sync Recording	-	
Pre-recording Function	✓	
Multi Track Function	-	
Over Dubbing Function	✓	
Key Shift Function	-	
Metronome Function	✓	
Tuner Function	✓	
Lissajous Function	-	
MP3 Convert Function	-	
CD Write Function	-	
Lowcut Filter	✓(100Hz/300Hz)	
Voice Guidance	✓	
Power Supply	Battery: AA alkaline x2, or AA Ni-MH rechargeable battery x2	
	Battery Life (Rec): Approx. 46 hours (alkaline batteries)	
	External Power Supply: AC Adapter A514 (optional)	
Dimensions	138.7 x 52.5 x 23.5 mm	
Weight	170g	
Compatible OS (USB Connection)	Microsoft Windows XP/Vista/7 Mac OS X 10.4.11~10.8	
Supplied Items	AA alkaline battery x2, USB cable, Carrying case, Standclip	
Overall Frequency Response (Line in/Mic Jack)		
PCM	96kHz	20Hz~44kHz
	88.2kHz	20Hz~42kHz
	48kHz	20Hz~23kHz
	44.1kHz	20Hz~21kHz
MP3	320kbps	20Hz~20kHz
	256kbps	20Hz~20kHz
	128kbps	20Hz~17kHz
	64kbps mono	20Hz~13kHz
Recording Time (Internal memory/Bundled memory)		
PCM	96kHz 24bit	Approx. 1hr. 35min.
	96kHz 16bit	-
	88.2kHz 24bit	Approx. 1hr. 45min.
	88.2kHz 16bit	-
	48kHz 24bit	-
	48kHz 16bit	Approx. 4hr. 50min.
	44.1kHz 24bit	-
	44.1kHz 16bit	Approx. 5hr. 15min.
MP3	44.1kHz mono	Approx. 10hr. 35min.
	320kbps	Approx. 23hr. 30min.
	256kbps	Approx. 29hr.
	128kbps	Approx. 58hr. 30min.
64kbps mono	Approx. 117hr.	

Specification and design are subject to change without notice

Accessories (included)



A	Three microphone system	Stereo microphones plus center mic for higher quality recording.
B	LED indicator lamp	Displays tempo with easily viewable LED blinks while the metronome is working.
C	Peak lamp	Level-over warning given by LED light.
D	Hole for tripod stand	Attachable to stand clip or commonly-used tripod stand.
E	Colour LCD	Allows for easy exchange of data with a PC. Files can be copied, too.

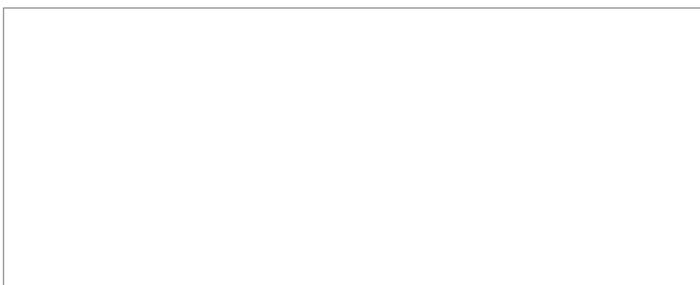
Typical Examples



Music practice Choir practice Sampling recording Band rehearsals



Over dubbing Kids recitals Remote control



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