



LSseries LS-100



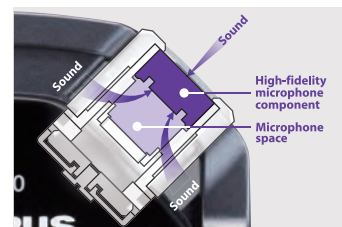
* Requires optional remote control (RS30W).

The advanced functionality of a recording studio in a mobile device. Linear PCM and an expansive dynamic range ensures exceptional sound recording in a user friendly unit.

Product features

Simple microphone construction and high signal-to-noise ratio amplifying circuitry

The new microphone construction minimises the reflection of sound inside the microphone chamber, enabling the recording of natural sound quality. The two highly directional microphones provide an exceptional stereo impression and the acoustic pressure limit of 140dB (SPL) is the highest for a PCM recorder. This means clipping free recording even at loud live events and low-frequency characteristics from 20Hz reproducing deep and rich tones. On the other hand, a high signal-to-noise ratio will satisfy the needs of the most delicate musical recording.



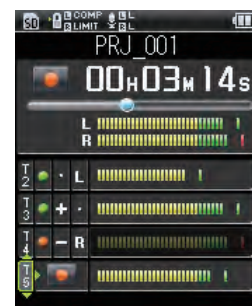
Combination XLR Phantom power supply and phone jack connector

The LS-100 comes with a dual connector for external links which comprises an integrated XLR and phone combo jack. The dual connector offers Phantom power supply at 24V/48V dual voltage, with the 24V mode enabling low power operation for extended periods. The built-in instrumentation amplifier cuts slight noise and amplifies signals to allow the usage of lengthy cables. In anticipation of the demands for greater control over recording settings, the LS-100 also boasts independent left and right channel recording level dials fitted to the side of the unit. Perfect for manual adjustment as required.



Multitrack functionality brings fun to the creative process

Multitrack recording allows you to mix together multiple, separately recorded sound sources to create a single stream of sound. The LS-100 enables simultaneous editing of a class leading eight tracks. Now you can enjoy full-fledged song writing in an accessible format.



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. A Lissajous waveform display is also available to measure the phase difference between microphones and the sound source.

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Specifications

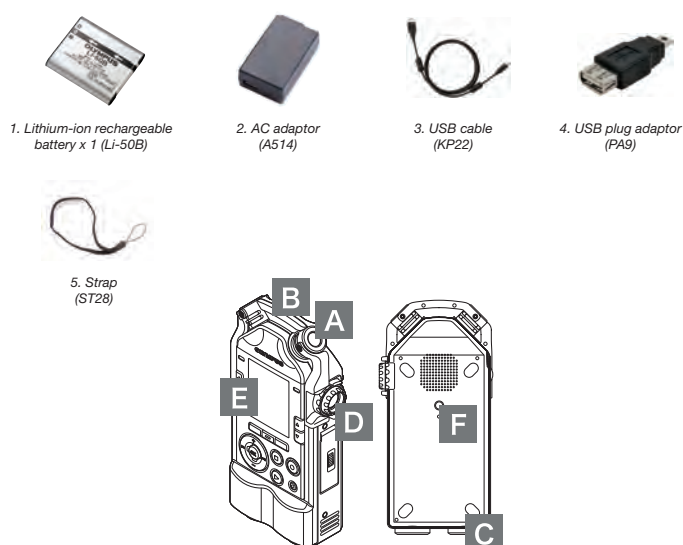
Recording Format	Linear PCM (WAV)/MP3
Internal Memory	4GB
External Memory	Max. 64GB (optional)
Frequency Characteristics (Internal microphone)	20Hz~20KHz
MIC Jack	ø3.5mm, impedance 10kΩ
LINE IN Jack (MIC Jack)	ø3.5mm, impedance 12.5kΩ
XLR/Phone Jack	impedance 10kΩ
Phantom Power Supply	48V/24V
EAR Jack	ø3.5mm, impedance 8Ω or more
Maximum Headphone Output	10mW + 10mW (at load of 16Ω)
Speaker	Built-in ø28mm round dynamic speaker
Maximum Speaker Output	430mW (speaker 8Ω)
File Divide	✓(PCM/MP3)
Partial Erase	✓(PCM)
Trimming	-
Wireless Remote Control (RS30W)	✓(optional)
Treblemic	-
Voice Activated Recording	Voice Sync.
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	Battery ✓(100Hz/300Hz)
Voice Guidance	Battery Life (Rec) ✓
Power Supply	External Power Supply
	Lithium-ion rechargeable battery x1
	Approx. 12hr. 30min.
	AC Adapter A514 (bundled)
Dimensions	159 x 70 x 33.5 mm
Weight	280g
Compatible OS (USB Connection)	Microsoft Windows XP/Vista/7 Mac OS X 10.4.11~10.7
Supplied Items	Lithium-ion rechargeable battery x 1, USB cable, mini-USB conversion connector, carrying case, strap, AC adapter

Overall Frequency Response (Line in/Mic Jack)		
PCM	96kHz	20Hz~44kHz
	88.2kHz	20Hz~40kHz
	48kHz	20Hz~23kHz
	44.1kHz	20Hz~21kHz
	44.1kHz	20Hz~21kHz
MP3	320kbps	50Hz~20kHz
	256kbps	50Hz~20kHz
	128kbps	50Hz~17kHz
	64kbps mono	50Hz~8kHz

Recording Time (Internal memory/Bundled memory)		
PCM	96kHz 24bit	Approx. 1hr. 35min.
	96kHz 16bit	Approx. 2hr. 15min.
	88.2kHz 24bit	Approx. 1hr. 40min.
	88.2kHz 16bit	Approx. 2hr. 30min.
	48kHz 24bit	Approx. 3hr.
	48kHz 16bit	Approx. 4hr. 45min.
	44.1kHz 24bit	Approx. 3hr 15min.
	44.1kHz 16bit	Approx. 5hr.
	44.1kHz mono	Approx. 10hr.
	320kbps	Approx. 22hr. 30min.
MP3	256kbps	Approx. 28hr. 30min.
	128kbps	Approx. 57hr.
	64kbps mono	Approx. 114hr.

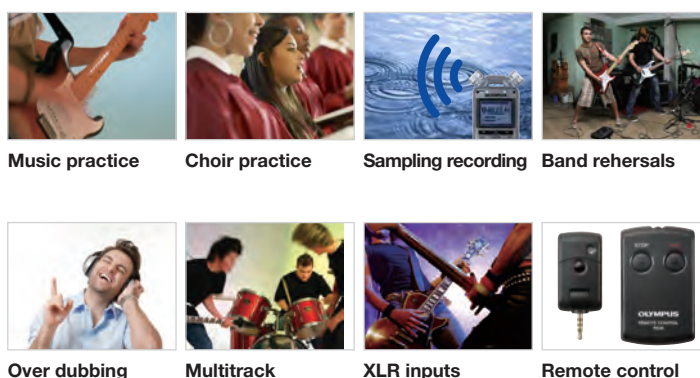
Specification and design are subject to change without notice

Accessories (included)



A	High-quality microphone unit	Simple casing design and 90° layout
B	Microphone guard	Robust, reassuring construction to guard the microphone sections
C	Dual connector	Dual connector for XLR and phone jacks
D	Manual level adjustment dials	Adjust left and right-channel recording settings with greater precision
E	Colour LCD	Check progress on the large LCD screen when recording or mixing down tracks
F	Tripod socket	Ensure a more stable recording with a tripod

Typical Examples



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