

Olympus LS-5 Digital Audio Recorder

Features/Specifications

- Elegant, compact metal design
- Up to 24bit/96kHz sampling rate & PCM recording
- High-quality built-in microphones
- WAV/WMA/MP3 recording formats
- Large, backlit display (1.8 inches)
- Long battery life time
- 2GB internal memory
- SD / SDHC card slot
- Built-in stereo speaker
- Optional infrared remote control

Further Specs:

Storage Media

- **Internal / Removable Media:** Internal + Removable
- **External Memory:** SD / SDHC card (512 MB - 32 GB)
- **SD / SDHC card:** Yes
- **microSD / microSDHC card:** No
- **Internal memory:** 2 GB

USB functionality:

- **USB HID:** Yes
- **USB Audio Class:** Yes
- **USB Speed:** USB 2.0 High Speed
- **USB storage class:** Yes

Display:

- **Backlit:** Yes
- **Colour:** White
- **Type:** Full Dot Matrix Display
- **Size:** 30.1 x 35.4 mm / 1.83 "

Recording Modes:

Recording formats: WAV / WMA / MP3

Recording time (WAV):

- **96 kHz 24 bit:** 0 h 55 min
- **96 kHz 16 bit:** 1 h 25 min
- **88,2 kHz 24 bit:** 1 h
- **88,2 kHz 16 bit:** 1 h 35 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
- **Mono:** 6 h 20 min

Recording Time (MP3):

- **320 kbps:** 14 h 10 min
- **256 kbps:** 17 h 45 min
- **128 kbps:** 35 h 35 min

Recording Time (WMA):

- **160 kbps:** 27 h 50 min
- **64 kbps:** 69 h 35 min

Playback Modes:

- **Playback format:** WAV / WMA / MP3

Frequency response:

- **96 kHz (WAV):** 20 - 44.000 Hz
- **88.1kHz (WAV):** 20 - 42000 kHz
- **48 kHz (WAV):** 20 - 23.000 Hz
- **44.1 kHz (WAV):** 20 - 21.000 Hz
- **44.1 kHz mono (WAV):** 20 - 21000 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

Record Function:

- **Continuous Recording:** Yes
- **Direct Recording:** Yes
- **Erase all files:** Yes
- **Erase single files:** Yes
- **Partial Erase:** Yes
- **Handsfree recording function via optional footswitch:** No
- **Index:** Up to 16 in one file
- **Insert:** No
- **Low-cut filter:** Yes
- **Manual Rec level control:** Yes
- **Noise cancelling function:** No
- **Overwrite:** No
- **Rec Monitor:** Yes
- **Timer recording:** No
- **VCVA recording:** Yes
- **Verbal annotations (up to 32 per file):**
- **Voice filter:** No
- **Zoom Mic. Setting (DVM):** Yes

Playback function:

- **Alarm playback:** No
- **EUPHONY:** Yes
- **Fast play:** No
- **Playback Speed Control:** No
- **Repeat playback:** Yes
- **Reverb:** Yes
- **Slow Play:** No

Interfaces Input:

- **PC interface:** USB Cable
- **SD / SDHC interface:** no function
- **Microphone sensitivity:** High (- 59dBv) Low (- 39dBv)
- **Microphone jack:** 3.5 \emptyset mm mini-jack, impedance 2 k Ω
- **LINE IN jack input:** -6dBv
- **LINE IN jack:** 3.5 \emptyset mm mini-jack, impedance 78 k Ω

Interfaces Output:

- **Max. working output:** 200 mW + 200 mW (8 Ω speaker)
- **Maximum headphone output:** 3 mW + 3 mW
- **Speaker Diameter:** Stereo (two built-in \emptyset 16 mm round dynamic speaker)
- **Earphone jack:** 3.5 \emptyset mm jack, impedance 8 Ω or more

Power Supply:

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

Physical Details:

Dimensions:

- **Unit Weight:** 165 g (incl. battery)
- **WxHxD:** 48 x 131.5 x 22.4 mm
- **Housing Material:** Metal Housing
- **Colour:** Blue metallic

Operating Systems & Requirements:

- **Windows:** Microsoft Windows 2000/XP/Vista (Free USB port)
- **Macintosh:** Mac OS 10.2/10.3/10.4/10.5 (Free USB port)

In the Box:

- Sonority (Audio Management Software)
- 2x AA Batteries
- Handstrap
- WS-5
- KP-22
- Instruction Manual