

# Olympus WS-310M



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This super sleek, champagne gold, **Olympus WS-310M** Digital Recorder, with 512MB of internal memory, provides over 138 hours of recording time in LP mode.

Its Digital Music Player supports WMA and MP3 sound file playback for your music listening enjoyment. The built-in equalizer function and advanced SRS / WOW sound enhancement technology, gives you 6 hours 40 minutes to 22 hours 40 minutes of playback time.

(times may vary depending on the bit rate of the music data)

The **Olympus WS-310M** can be plugged directly into a PC's USB port, without a USB cable, for quick and convenient downloading of voice files, music files, office documents and images.

## Features and Benefits of the Olympus WS-310M

- Mass storage device for digital data files (music, dictation, images & data)
- 4 recording qualities (SHQ,HQ,SP,LP)
- Over 138hours of recording time on LP mode.
- 5 folders for file management
- High quality WMA/MP3 music playback function with WOW/SRS effect.
- Windows and Mac compatible
- Backlit, full dot, LCD display.
- VCVA (voice activation) for hands free recording
- USB Direct

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**Model WS-310M**

**For the Digital Recorder**

Recording format	WMA (Windows Media Audio)
Recording medium:	Internal memory: 512MB
Recording times:	SHQ mode: 17 hours 40 minutes HQ mode: 35 hours 20 minutes SP mode: 69 hours 30 minutes LP mode: 138 hours 15 minutes
PC interface:	USB direct, 2.0 full-speed
Sampling frequency:	SHQ mode: 44kHz, 64kbps HQ mode: 44 kHz, 32kbps SP mode: 22 kHz, 16kbps LP mode: 8 kHz, 5kbps
Overall frequency response:	SHQ mode: 100 to 15,000 Hz HQ mode: 100 to 12,000 Hz SP mode: 100 to 5,000 Hz LP mode: 100 to 2,000 Hz
Specified input level:	-70 dBv
Speaker:	Built-in Ø 18 round dynamic speaker
Microphone jack (stereo):	ø3.5 mm jack, impedance. 2 kΩ or more
Earphone jack:	ø3.5 mm jack, impedance 8Ω or more
Maximum working output (3 V DC):	100 mW (8 Ω speaker)
Power supply:	Rated voltage: 1.5 V. 1 x AAA battery (LR03 or R03) or 1 x Ni-MH rechargeable battery (BR401)
Battery life:	Alkaline WMA: 14 hours / MP3: 16 hours (approx.) Ni-MH rechargeable battery (BR401) WMA: 11 hours / MP3: 12 hours (approx.)
External dimensions:	94.8 x 38.2 x 11mm (without protrusions)
Weight:	46g (including battery)
Minimum PC requirement	<b>Windows:</b> IBM PC/AT compatible PC Operating System: Microsoft Windows ME/2000 Professional/XP Professional, Home Edition One free USB port, earphone output or speakers. <b>Macintosh:</b> Mac OS 10.2-10.3 (must support USB storage class) Windows Media Player for MAC

## installation

### Delivery content:

WS-310M, Stereo earphones, 1 x AAA alkaline battery, USB extension cable and neck strap

### For the Digital Music Player

#### Compatible data format:

WMA/MP3

#### Sampling frequency:

41.1kHz

#### Frequency band:

20-20,000Hz

#### Playback time:

Approx. 6 hours 40 minutes to 22 hours 40 minutes  
(time may vary depending on the bit rate of the music data)

\* Specifications and design are subject to change without notice. Battery life varies greatly according to type of batteries used and the conditions of use. Above information is based on Olympus' standard testing procedure.

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