

SANYO North America Corporation

**Specifications for ICR-XPS01MF/M**

Product Name	Xacti Sound Recorder			
Model No.	ICR-XPS01MF(SL)/ICR-XPS01M(SL)			
Recording media	No built-in memory, Optional microSD/microSDHC card, (2GB included)			
Recording format	PCM(WAV) / MP3			
Max recording time	Recording mode	Size of microSD card		
		2GB(included)	4GB(optional)	8GB(optional)
	PCM(44.1kHz)	Approx. 3hrs	Approx. 6hrs	Approx. 12hrs
	Stereo MP3(320kbps)	Approx. 13.5hrs	Approx. 27hrs	Approx. 54hrs
	Stereo MP3(192kbps)	Approx. 22.5hrs	Approx. 45hrs	Approx. 90hrs
	Stereo MP3(128kbps)	Approx. 34hrs	Approx. 68hrs	Approx. 136hrs
	Stereo MP3(64kbps)	Approx. 68hrs	Approx. 136.5hrs	Approx. 272hrs
	Mono MP3(32kbps)	Approx. 136hrs	Approx. 273hrs	Approx. 544hrs
<p>* microSD/microSDHC cards are optional(2GB included)                  * The above recording time is shown as a reference. The maximum recording time may be shorter depending on the manufacturer's specifications for the microSD card used.                  * If 2 or more recording files are stored, the total recording time becomes shorter than the above reference time.                  * 2GB volume sound data can be stored in one file as the maximum 2GB volume sound data can be stored in one file as the maximum recording data.                  * It may be necessary to replace the battery in process.</p>				
Maximum files	Recording(external microphone input): A.B.C.D(4 folders)199 each FM radio recording:199files Line input:199files Music(one folder):199 files Recycle:199files			
Recording frequency Sampling frequency Bitrate	Recording mode	Recording frequency, Sampling frequency, Bit rate (w/ External Mic Rec) * When recording with the external microphone		
	PCM(44.1kHz) Stereo MP3(320kbps) Stereo MP3(192kbps) Stereo MP3(128kbps) Stereo MP3(64kbps) Mono MP3(32kbps)	40~21,000Hz, 16bit/44.1kHz,1,411kbps 40~20,000Hz, 44.1kHz, 320kbps 40~20,000Hz, 44.1kHz, 192kbps 40~15,000Hz, 44.1kHz, 128kbps 40~7,500Hz, 22.05kHz, 64kbps 40~6,500Hz, 16kHz, 32kbps		
* During built-in microphone recording:60~20,000Hz(for PCM recording).The frequency upper limit of MP3 recording follows each recording mode of external microphone recording. Also, the lower limit for each recording mode 60Hz.				
Playback format	PCM(WAV)/MP3/WMA/PDDRM-WMA *PCM(only files recorded on the unit)			
Playback frequency	20Hz ~21,000Hz(for 44.1kHz sampling frequency)			
Playback bitrate	MP3:16~320kbps,WMA:32~192kbps *Depending on the file, normal playback may not be possible.			
Tuner bandwidth	FM: 87.5~108MHz			
Rated output	Headphones:1.8mW + 1.8mW(when 16Ωload, JEITA/DC), Speaker:120mW(when 170Ωload, JEITA/DC)			
	Cradle active speaker*6: 1.0W + 1.0W(AC operating), 0.2W + 0.2W(During battery of main unit operating)			
PC interface	USB2.0(Hi-Speed)			
Max. dimensions	Main unit: ~ 1.53 (W) x 3.79 (H) x 0.37 (D) in, Cradle active speaker*6: ~ 6.41 (W) x 4.48 (H) x 1.57 (D) in			
Weight	Main unit: Approx 46g(including Li-ion battery), Cradle active speaker*6: Approx 263g			
Power source	Main unit: Li-ion battery x 1			
	Cradle active speaker*6: 1)AC adaptor(DC5V:AC100-240V, 50/60Hz), 2)battery of main unit(DC3.7V)			
Full charging time	Approx 150 min (USB recharge or recharge in cradle active speaker*6)			

<p>Battery duration</p> <p>Recording environment: 1) Backlight low power mode Backlight on(low power), LED off, no recording monitor, MIC ALC ON 2)Turning off mode Backlight off, LED off, no recording monitor, MIC ALC ON</p> <p>Playback environment: 1)Backlight low power mode Backlight on(low power),LED off, SOUND EQ = FLAT 2)Turning off mode Backlight off, SOUND EQ = FLAT</p>	<p>Recording time: 1) Microphone/line-in recording MP3(mono 32kbps): ~ 20hrs(backlight low power mode) ~ 40hrs(backlight off mode) MP3(stereo 64kbps):~ 19hrs(backlight low power mode) ~ 36hrs(backlight off mode) PCM(stereo 44.1kHz): ~ 14hrs(backlight low power mode) ~ 23hrs(backlight off mode) 2) FM radio recording time MP3(128kbps): ~ 12hrs(backlight low power mode) ~ 16hrs(backlight off mode)</p> <p>Playback time: 1) Stereo earphones MP3(mono 32kbps): ~ 21hrs(backlight low power mode) ~ 52hrs(backlight off mode) MP3(stereo 64kbps): ~ 20hrs(backlight low power mode) ~ 46hrs(backlight off mode) PCM(stereo 44.1kHz): ~ 15hrs(backlight low power mode) ~ 26hrs(backlight off mode) 2) Speaker (main unit) MP3(mono 32kbps): ~ 16hrs(backlight low power mode) ~ 32hrs(backlight off mode) MP3(stereo 64kbps): ~ 16hrs(backlight low power mode) ~ 30hrs(backlight off mode) PCM(stereo 44.1kHz): ~ 13hrs(backlight low power mode) ~ 21hrs(backlight off mode) 3) FM radio (stereo earphones) ~ 12hrs(backlight low power mode) ~ 16hrs(backlight off mode) 4) Cradle active speaker*<sup>6</sup> (During battery of main unit operating) MP3(mono 32kbps):~ 13hrs(backlight low power mode) ~ 21hrs(backlight off mode) MP3(stereo 64kbps): ~ 13hrs(backlight low power mode) ~ 20hrs(backlight off mode) PCM(stereo 44.1kHz): ~ 10hrs(backlight low power mode) ~ 15hrs(backlight off mode)</p> <p>*The battery duration may change, depending on the battery type, manufacture, storage state, usage condition, and ambient temperature. Therefore, the time indications above are approximate figures only and they are not guaranteed. Operation not using SANYO battery (Li-ion battery) is not guaranteed.</p>
<p>Input/output sockets</p>	<p>Stereo headphones mini-plug 3.5φ x 1,USB(microUSB) x 1, microSD card slot x 1, stereo microphone(doubling as line input) mini-plug 3.5φ x 1 I/O connector x 1</p> <p>Cradle active speaker*<sup>6</sup>: Stereo headphones mini-plug 3.5φ x 1, Line input mini-plug 3.5φ x 1, I/O connector(for main unit) x 1</p>
<p>Operating environment</p>	<p>Hardware:PC with Windows® installed, OS:Windows® XP,Windows® Vista,Windows® 7 * Upgraded Windows OS operation is not guaranteed, USB terminal: one available for connection with unit.</p>
<p>Accessories</p>	<p>Stereo earphones x 1,microUSB connection cable x 1, 2GB microSD card x 1,Li-ion battery pack x 1 Cradle active speaker*<sup>6</sup> x 1 , AC adaptor*<sup>6</sup> x 1, Instruction manual x 1</p>

\*<sup>6</sup> ICR-XPS01MF only

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