

## Spec description

Recording Media	microSD card (64MB to 3GB), microSDHC card (4GB to 32GB), microSDXC card (up to 128GB)
File System	FAT16/32, exFAT
Recording File Format	
WAV / BWF	
Sampling Frequency	44.1k / 48k / 96k Hz
Bit-depth	16 / 24-bit
MP3	
Sampling Frequency	44.1k / 48k Hz
Bit-rate for recording	32k / 64k / 96k / 128k / 192k / 256k / 320k bps
Playback Bit-rate	32k to 320k bps, VBR, ID3TAG Ver. 2.4
Number of Channels	2-channel (Stereo) / 1-channel (Mono)
Playback speed control	0.5 to 2.0 times (in 0.1 increments) * 44.1k/48kHz only
Built-in Microphone	Unidirectional, Stereo (switchable between A-B and X-Y positions)
MIC/EXT IN	
Connector	1/8" (3.5mm) Stereo Mini jack (Unbalanced, Plug-in Power)
Nominal Input Level	-20dBV
Maximum Input Level	-4dBV
Input Impedance	18k $\Omega$ or more (PLUG IN PWR: OFF) 2k $\Omega$ or more (PLUG IN PWR: ON)
PHONES/LINE OUT	
Connector	1/8" (3.5mm) Stereo Mini jack (Unbalanced)
for LINE connection	
Nominal Output Level	-14dBV (10k $\Omega$ load)
Maximum Output Level	+2dBV (10k $\Omega$ load)
Output Impedance	12 $\Omega$
for Headphones connection	
Maximum Output Power	20mW + 20mW (32 $\Omega$ load)
USB	
Connector	USB Micro B-type

Format	USB2.0 HIGH-SPEED
Built-in Speaker	0.3W, Mono
Low-cut Filter	40 / 80 / 120Hz
Chromatic Tuner	C1 to B6, A4 = 435Hz to 445Hz (in 1Hz increments)
Effector	6 presets (Hall 1, Hall 2, Room, Studio, Plate 1, Plate 2)
Tripod attachment screw-hole	1/4" Tripod attachment screw-hole
Power	2 AA Batteries, USB bus power, AC 100 to 240V (optional AC Adapter)
Power Consumption	1.7 W (Max)
Battery Operation Time (Recording)	
Alkaline (EVOLTA)	approx. 17.5 hours (2ch WAV, 44.1kHz, 16-bit, using Built-in Microphone, JEITA)
Ni-MH (eneloop)	approx. 15.5 hours (2ch WAV, 44.1kHz, 16-bit, using Built-in Microphone, JEITA)
Dimensions (W×H×D)	2.67" × 6.22" × 1.02" / 68 × 158 × 26 mm
Weight	4.5 oz. / 127 g

## Audio Performance

Frequency Response	
Fs 44.1kHz	20Hz to 20kHz, +0/-1dB (EXT IN to LINE OUT, JEITA)
Fs 48kHz	20Hz to 22kHz, +0/-1dB (EXT IN to LINE OUT, JEITA)
Fs 96kHz	20Hz to 40kHz, +0/-1.5dB (EXT IN to LINE OUT, JEITA)
Total Harmonic Distortion	0.01% or less (Fs 44.1k/48k/96kHz, EXT I Not LINE OUT, JEITA)
Signal-to-Noise Ratio	94 dB or higher (Fs 44.1k/48k/96kHz, EXT I Not LINE OUT, JEITA)