

# Specifications

## Recorder specifications

Recording media	microSD card (64 MB – 2 GB) microSDHC card (4–32 GB) microSDXC card (48–512 GB)
Recording/playback formats	WAV (BWF): 44.1/48/96/192kHz, 16/24 bit or 32 bit float MP3: 44.1/48kHz, 128/192/256/320 kbit/s
Input channels	6 (maximum)
Recording tracks	8 (6 tracks + stereo mix)

## Analogue audio inputs

Mic inputs 3–6 (balanced)	XLR-3-31 equivalent (1: GND, 2: HOT, 3: COLD) 6.3-mm TRS jacks (Tip: HOT, Ring: COLD, Sleeve: GND) (phantom power over XLR only)
Input impedance	≥2.2 kΩ
Maximum input level	+2 dBu
Minimum input level	–75 dBu
Line inputs 3–6	XLR-3-31 equivalent (1: GND, 2: HOT, 3: COLD) 6.3-mm TRS jacks (Tip: HOT, Ring: COLD, Sleeve: GND)
Input impedance	≥9 kΩ
Maximum input level	+24 dBu
Minimum input level	–53 dBu
Mic inputs 1/2 (unbalanced)	3.5-mm mini jacks (support plug-in power)
Input impedance	≥85 kΩ
Maximum input level	+1 dBV
Minimum input level	–69 dBV
Line input (EXT IN, unbalanced)	3.5-mm stereo mini jack
Input impedance	≥8.5 kΩ
Maximum input level	+10 dBV
Minimum input level	–48 dBV

## Analogue audio outputs

Line output (LINE OUT, unbalanced)	3.5-mm stereo mini jack
Output impedance	200 Ω
Nominal output level	–14 dBV
Maximum output level	+6 dBV
Headphones output	3.5-mm stereo mini jack
Maximum output	45 mW + 45 mW (THD+N: ≤0.1%, 32 Ω load)
Built-in speaker	0.4 W (mono)

## Control inputs/outputs

USB port	USB Type-C connector
Format	USB 2.0 High Speed mass storage class
Bluetooth device connector	For Bluetooth adapter (AK-BT1) only

## Audio performance

Equivalent input noise (EIN, mic inputs 3–6)	≤–126 dBu
Frequency response (inputs 3–6 to PCM data)	Fs 48 kHz: 20 Hz – 20 kHz, +0/–0.3 dB (JEITA) Fs 96 kHz: 20 Hz – 20 kHz, +0/–0.4 dB (JEITA) Fs 192 kHz, 20 Hz – 60 kHz, +0.5/–2.5 dB (JEITA)
Dynamic range (20 kHz SPCL LPF, A-weighted, Field app)	
Inputs 3–6 to PCM data	≥113 dB (48/96/192 kHz)
Total harmonic distortion ratio (THD+N, 1 kHz sine wave, –5 dBFS at input, GAIN at minimum, 20 kHz SPCL LPF)	
Inputs 3–6 (LINE IN)	0.008 %
Inputs 3–6 (MIC IN)	0.006 %
Note: JEITA indicates conformance to JEITA CP-2150	

## Power supply and other specifications

Power supply	4 AA batteries (alkaline, Ni-MH or lithium-ion) USB bus power from a computer AC adapter (TASCAM PS-P520U, sold separately)
Power consumption	7.5 W (maximum)
Display	3.5-inch full-colour LCD touchscreen
Dimensions (W × H × D)	77 mm × 40 mm × 206 mm (excluding protrusions)
Weight	472 g (with batteries) 381 g (without batteries)
Operating temperature range	0–40 °C

**Approximate battery operation time (continuous operation in hours:minutes)****Using alkaline batteries (Evolta)**

Included mics, phantom power off, stereo WAV recording at 44.1 kHz / 24-bit	11:00
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Included mics plus inputs 5/6, phantom power on, stereo WAV recording at 44.1 kHz / 24-bit	5:30
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**Using NiMH batteries (eneloop)**

Included mics, phantom power off, stereo WAV recording at 44.1 kHz / 24-bit	9:30
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Included mics plus inputs 5/6, phantom power on, stereo WAV recording at 44.1 kHz / 24-bit	5:30
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**Using lithium-ion batteries (Energizer Ultimate Lithium)**

Included mics, phantom power off, stereo WAV recording at 44.1 kHz / 24-bit	18:00
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Included mics plus inputs 5/6, phantom power on, stereo WAV recording at 44.1 kHz / 24-bit	10:00
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Note: When using phantom power, the operation time depends on the mics being used.