

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 kHz, 16/24 bit or 32 bit float MP3: 44.1/48kHz, 128/192/256/320 kbit/s
Input channels	4 (maximum)
Recording tracks	6 (4 tracks + stereo mix)

Analogue audio inputs

Mic inputs 3–4 (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 3–4	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/EXT IN (unbalanced)	3.5-mm mini jack (supports plug-in power)
Input impedance	10 kΩ (plug-in power off) 1.8 kΩ (plug-in power on)
Maximum input level	0 dBV
Minimum input level	–67 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 3–4)	≤–125 dBu
Frequency response (inputs 3–4 to PCM data)	Fs 48 kHz: 20 Hz – 20 kHz, +0/–0.3 dB (JEITA) Fs 96 kHz: 20 Hz – 40 kHz, +0/–0.7 dB (JEITA)
Dynamic range (20 kHz SPCL LPF, A-weighted, Field app)	
Inputs 3–4 to PCM data	≥112 dB (48/96 kHz)
S/N ratio (20 kHz SPCL LPF, A-weighted)	
Inputs 3–4	112 dB (48/96 kHz)
MIC/EXT IN	103 dB (48 kHz) 105 dB (96 kHz)
Total harmonic distortion ratio (THD+N, 1 kHz sine wave, –5 dBFS at input, GAIN at minimum, 20 kHz SPCL LPF)	
Inputs 3–4 (LINE IN) to PCM data	0.008 %
Inputs 3–4 (MIC IN) to PCM data	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	2.4-inch full-colour LCD touchscreen
Dimensions (W × H × D)	75 mm × 37 mm × 174 mm (excluding protrusions)
Weight	365 g (with batteries) 265 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	13:30
---	-------

Included mics plus inputs 3-4, phantom power on, stereo WAV recording at 44.1 kHz / 24-bit	5:30
--	------

Using NiMH batteries (eneloop)

Included mics, phantom power off, stereo WAV recording at 44.1 kHz / 24-bit	11:00
---	-------

Included mics plus inputs 3-4, phantom power on, stereo WAV recording at 44.1 kHz / 24-bit	5:30
--	------

Using lithium-ion batteries (Energizer Ultimate Lithium)

Included mics, phantom power off, stereo WAV recording at 44.1 kHz / 24-bit	22:00
---	-------

Included mics plus inputs 3-4, phantom power on, stereo WAV recording at 44.1 kHz / 24-bit	11:30
--	-------

Note: When using phantom power, the operation time depends on the mics being used.