



PCM-M10

Portable Linear PCM Recorder

The PCM-M10/B (Matt Black Colour) is a 96 kHz/24-bit capable recorder with electret condenser stereo microphones, 4 GB of internal flash memory and a microSD/Memory Stick Micro™ (M2™) Slot for expanded memory. Key features of the PCM-M10/B recorder include a built-in speaker, cross-memory recording, digital pitch control, digital limiter, low-cut filter, track mark functions, a 5-second pre-recording buffer and A-B repeat capability.

The recorder includes a USB high-speed port for simple uploading and downloading of native .WAV or .MP3 format recorded files to and from Windows® PC or Macintosh® computers. The PCM-M10/B offers durable construction and long battery life using conventional AA alkaline batteries.

Features

Built-in Electret Condenser Microphones

The PCM-M10/B's electret condenser microphones have exceptional high sound quality. The microphones are omni-directional with a flat and wide

frequency response and natural sound characteristics.

Flexible Playback Features

The PCM-M10/B includes both digital pitch control and key control. Digital pitch control maintains pitch while slowing down or speeding up playback speed. Key control allows changing the pitch while maintaining playback speed.

Simple Uploading to Computer

The PCM-M10/B conforms to the USB 2.0 Mass Storage Class Device standard and this recorder's native recording file formats include .WAV and .MP3. This means recordings can be rapidly uploaded to a computer and used in conjunction with most common audio production software

Versatile Recording Functions

The PCM-M10/B offers comprehensive signal processing features for location recording including: digital limiter, auto record level control and a digital low cut filter. The PCM-M10/B also includes a 5 second pre record buffer, cross-memory recording and track marking functions

Technical Specifications

Audio Formats Supported	Record: .WAV and MP3; Playback: .WAV, .MP3, .WMA (Non DRM), .M4A (AAC-LC, Non-DRM)
Built-in Mic	Electret condenser microphones. Max input level: 123 dB SPL. Frequency response 20 Hz to 20 kHz
DC Input Jack	3V
Dimensions	2 1/2" x 4 1/2" x 7/8" (w x h x d) not including projecting parts and controls
Frequency Response	Fs = 96 kHz: Frequency Response = 20 Hz to 40 kHz (Line in)
Headphone Output	Stereo Mini Jack; Maximum output: 20 mW + 20 mW; Load impedance: 16 ohms

Line Input (Analogue)	(Stereo Mini Jack) Input impedance: 22k ohms; Minimum input level: 500mV; Rated input level: 2.0V
Line Input (Optical)	NA
Line Output (Analogue)	Line out available from headphone jack (menu selection) Output level: 1Vrms; Load impedance 22k ohms
Line Output (Optical)	NA
Memory Stick Slot	Accepts Memory Stick Micro (M2) and microSD
Mic Input	(Stereo Mini Jack) Input impedance: 22 k ohm, Rated input level: 2.5 mV; Minimum input level: 0.9 mV
Power Consumption	0.27w
Power Requirements	DC in 3V. Two AA size Alkaline batteries (supplied). Two AA NiMH Rechargeable batteries (optional)
Quantization	16-bit linear, 24-bit linear
Recording Format	Linear PCM Stereo .WAV and MP3
S/N Ratio	87dB or greater (1KHz IHF-A) when set to 24-bit
Sampling Frequency	22.05kHz, 44.1kHz, 48kHz and 96kHz
Total Harmonic Distortion (Line Input to Line Output)	0.03% or below (1kHz, 22kHz LPF)
USB	High-speed USB, mass storage class
Weight	6.6 oz (including batteries)
Wow and Flutter	Below measurable limit (less than +/-0.001%W.Peak)