



The ARES-ML

Features

Hand-held audio recorder / player with all functions and controls at your fingertips.

Solid State recording	Menu driven
Built-in memory (2 or 4 GB)	Long battery life
USB 2.0 port	Lightweight Ultra portable
Built-in Microphone	Built-in loudspeaker
Line input	FAT 32 format
External Microphone connection	Linear PCM MP2 and MP3

Product description

High quality solid-state audio recorder, the ARES-ML is principally designed to be used in any ultra-portable recording situation, and can replace MINIDISK®. Its recording media is built-in memory, for the recording of PCM Mono or Stereo audio. Available with either 2 GB or 4 GB (from September 2009) of internal Flash memory depending on the required recording durations. MPEG compression allows for longer recording times of up to 278 hours (4 GB at 32 kbits/sec). The unit is powered by two “AA” batteries, offering more than 10 hours operation.

Equipped with a built-in microphone, it is also delivered with an external mono XLR microphone cable allowing an external dynamic microphone to be used. Extra high quality external Mono (omni-directional) and Stereo (Cardioid) clip on microphones are available as additional accessories. Designed for radio applications, the ARES-ML offers instant start-up, one button recording, automatic level control, internal loudspeaker and a low cut filter.

Compatibility

The ARES-ML offers a miniature USB 2.0 port. Through this connection, the internal memory appears on the “desktop” as a mass storage device (external drive) of the PC / MAC and requires NO additional software or drivers. It can also be connected to the NAGRA LB for file editing and transfer operations if desired.

Special Features

Built-in loudspeaker Stereo Line In / Out Linear PCM, MP2 and MP3 Interchangeable microphones

Technical Specifications

General

Data Storage medium	Internal 2 or 4 GB memory
Recording Method	Digital (PCM) or Digital compression
Compression type	ISO MPEG Layer II / MPEG III
A/D & D/A conversion	24 Bit Sigma-Delta conversion
Sampling Rate	8 to 48 kHz PCM and MPEG
Bit-Rates	32 to 384 kb/s
Mono/Stereo	Switchable
File Format	(.WAV) or (.MP2) / (.MP3)

Inputs

Mic. Inputs	Miniature Jack
Microphone	-10 dB FS for 74 dB SPL.
Sensitivity	Approx. 200mV for -10dB FS (Dynamic)
Line Input	Miniature Jack
Line Input Sensitivity	150mV -4.4V for 0 dB FS (Max 8V)

Outputs

Headphone	Jack 3.5 mm stereo connector
Line Output	1 V FS
THD at 1 kHz	0.1 %
Frequency response	30 Hz – 20 kHz (-3 dB in EE mode)
Total dynamic range	85 dB

Power supply

Battery pack	2 x “AA” cells
Autonomy	>10 hours

Physical

Dimensions	125 x 53 x 22 mm (without external microphone)
Weight	200 g