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Preliminary Product Information

RS-232	Parallel	Ethernet	USB

The **HD-R1** is a two-channel, single rack-mount recording and playback device created with the sound contractor in mind. Utilizing the highly reliable CompactFlash card, the **HD-R1** records 44.1/48 kHz, 16/24-bit PCM or MP3 files. File transfer can be accomplished via Ethernet, USB, or a card reader. The ability to control the unit remotely is provided via RS-232, Parallel, and RJ45 100-Mbit Ethernet.

To further enhance the **HD-R1**'s feature set, mic preamps with 20-dB PAD and phantom power (rear-panel selectable) have been included. A variety of contractor-friendly I/O options, such as unbalanced RCA, balanced XLR and Euroblock, and SPDIF digital (coaxial and optical) are also available.

And of course … the **HD-R1** offers traditional source device features like power-on play, front panel rotary input level controls, a headphone jack with level control, and a variety of playback modes.

▶ 1-U rack-mount solid-state audio recorder

▶ Uses popular, secure CompactFlash card as recording media

▶ USB host interface for USB flash cards

▶ Audio data formats: PCM (16-/24-bit), MP3

▶ Samplig rates supported: 44.1 kHz, 48 kHz

▶ XLR balanced mic/line I/O with switchable 20-dB PAD

▶ Phantom power (switchable on rear panel, front LED indicator)

▶ Euroblock terminal I/O

▶ Unbalanced RCA I/O

▶ Rotary analogue input level controls on front panel

▶ SPDIF Digital I/O (coaxial and optical)

▶ RJ-45 Ethernet interface (100-Mbit/s) for file transfer and control

▶ RS-232 interface for control

▶ D-sub 25-pin parallel remote control interface

▶ Direct Play via parallel interface

▶ Power-on play (start playback when power comes up)

▶ Headphones jack with level control on front panel

▶ Input Through and Auto Fade functions

▶ Input monitoring/mixing of live stereo input along with playback

▶ Play modes: Program, Folder, Shuffle, Interval, and more

HD-R1   Solid-State Audio Recorder

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Specifications

General

Applicable Recording Media	CompactFlash
Recording Format	WAV, MP3
Quantization	16/24 bit linear, MP3
Sampling Frequency	44.1/48 kHz

Audio inputs and outputs

MIC/LINE INPUT

Connector	XLR-3-31 (1: GND, 2: HOT, 3: COLD), balanced Euro Block Terminal, balanced

LINE INPUT

Connector	RCA, unbalanced

LINE OUTPUTS

Connector	XLR-3-31 (1: GND, 2: HOT, 3: HOT), balanced Euro Block Terminal, balanced
Connector	RCA, unbalanced

COAXIAL INPUT

Connector	RCA
Format	IEC60958-2 (SPDIF)
Quantization	16/24-bit

COAXIAL OUTPUT

Connector	RCA
Format	IEC60958-2 (SPDIF)
Quantization	16/24-bit

HEADPHONE OUTPUT

Connector	1/4" Stereo Phone Jack

Other inputs and outputs

Serial Control connector	D-Sub 9 pin
Parallel Control connector	D-Sub 25 pin
LAN connector	RJ45
USB connector	USB A-type

CF card	Stereo WAV (96 kHz, 24 bit)	Stereo WAV (44.1 kHz, 16 bit)	Stereo MP3 (320 KBit/s)	Stereo MP3 (192 KBit/s)	Mono MP3 (32 KBit/s)
512 MB	0:15	0:45	3:30	5:50	35:20
1 GB	0:30	1:30	7:00	11:40	70:40
4 GB	2:00	6:00	28:00	46:40	282:40
8 GB	4:00	12:00	56:00	93:20	565:20
16 GB	8:00	24:00	112:00	186:40	1130:40

Approx. recording time in hours:minutes for each audio format.

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