PDR

TECHNICAL DATA

Portable Digital Audio Recorder

- **Professional quality digital audio recordings in Broadcast Wave Format**
- **Ultra compact size for easy concealment**
- **Records to microSDHC memory cards**
- **Wide range input gain adjustment for mic to line level signals**
- **Time code jam/sync from external source**
- **Standard Lectrosonics TA5M input jack**
- **Lectrosonics "servo bias" input preamp**
- **Solid machined aluminum construction**
- **Over six hours of operation on a single AAA lithium battery**

The audio is recorded on a microSDHC memory card.

When the distance is extreme or using a wireless microphone is not practical, the PDR recorder can travel with your subject and capture professional quality audio, synchronized with timecode. It's tiny size is unobtrusive and easily placed in garments and costumes, and easy to conceal when used as a "plant" microphone to capture environmental or location sound.

With a time code sync at the start of the production, the audio track is easily placed accurately in the timeline of a video clip. The industry standard .wav (BWF) file format is compatible with essentially any audio or video editing software.

The recorder can also be tethered to a camera to capture a higher quality or backup audio recording. The headphone output doubles as a line output to feed the AV input on a camera.

The input connector is the industry standard TA5M jack that accepts any mic or line level signal, and provides bias voltage to power a wide variety of electret lavaliere microphones. The input connection and wiring is compatible with microphones pre-wired for use with Lectrosonics professional wireless microphone transmitters.

Setup and adjustment is made through an intuitive interface provided by the keypad and LCD. In keeping with typical Lectrosonics mechanical designs, the housing is machined from a solid aluminum billet for the ruggedness needed in field production.

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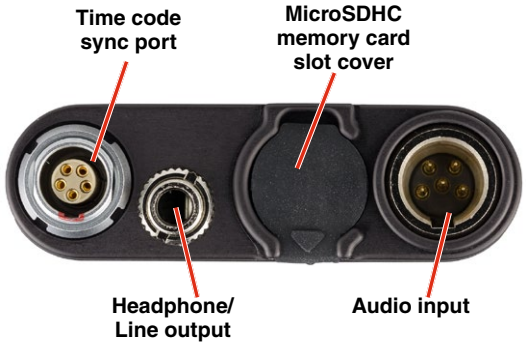
LECTROSONICS®
Rio Rancho, NM, USA
www.lectrosonics.com

The tiny size of the PDR makes it easy to conceal in costuming or be conveniently placed when used as a “plant” microphone to record environmental or location sound.

Actual size

The input/jack panel works with microphones wired for Lectrosonics wireless transmitters with TA5F connectors. The microSDHC memory card slot is covered by a flexible “flap” style cover. A standard 3.5 mm TRS jack provides audio output for headphones and line levels signals. A 5-pin LEMO connector is used to synchronize (“jam”) timecode for video and film production.



The battery compartment is a machined aluminum assembly hinged to the housing.

Specifications

Recording

Storage media:	MicroSD (HC type)
File format:	.wav files (BWF)
A/D converter:	24-bit
Sampling rate:	48 kHz
Recording modes/Bit rate:	• HD mono mode: 24 bit - 144 kbytes/s 32 bit - 192 kbytes/s • Split gain mode: 24 bit - 288 kbytes/s 32 bit - 384 kbytes/s

Input

Type:	Analog mic/line level compatible; servo bias preamp for 2V and 4V lavaliere microphones
Input level:	• Dynamic mic: 0.5 mV to 50 mV • Electret mic: Nominal 2 mV to 300 mV • Line level: 17 mV to 1.7 V
Input connector:	TA5M 5-pin male

Headphone/Line Outputs

Connector:	3.5 mm mini jack; TRS
Maximum level:	-3 dBu (575 mV RMS)

Audio Performance

Frequency response:	20 Hz to 20 kHz; +0.5/-1.5 dB
Dynamic range:	110 dB (A), before limiting
Distortion:	< 0.035%

Time Code

Connector:	5-pin LEMO
Signal voltage:	0.5 Vp-p to 5Vp-p
Input impedance:	10 k Ohms
Format:	SMPTE 12M - 1999 compliant

Battery Power/Life

Power consumption:	300 mW
Battery type:	AAA Lithium non-rechargeable (recommended)
AAA Lithium:	6.5 hours typical
AAA alkaline	2 to 3 hours; varies with brand

Operating temperature range

Celsius:	-20 to 50
Fahrenheit:	-4 to 122

Dimensions and Weight

Dimensions:	Inches: 2.37H x 2.14W x 0.67D Millimeters: 60H x 54W x 17D
Weight:	71 grams (2.5 ozs.) w/ AAA Lithium battery

Specifications subject to change without notice.

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