

Stereo Portable Digital Recorder



- Professional quality low noise digital audio recordings in Broadcast Wave Format (iXML metadata) with high dynamic range
- Compact size for easy bag, plant mic and personal use
- Records to a microSDHC memory card
- Wide range input gain adjustment for mic to line level signals
- AES input for digital signal chains
- Time code jam/sync from external source
- Standard Lectrosonics TA5M input jack
- Lectrosonics “servo bias” input preamp
- Solid machined aluminum construction
- Over 20 hours of operation on dual AA lithium batteries
- Temperature compensating clock accurate to less than 1ppm at all temperatures

The SPDR is Lectrosonics’ response to customer demand for a small, lightweight dual channel recorder for use on virtual reality sound captures or as a backup recorder for bag systems in the field. The SPDR will let you capture the full stereo audio of an extreme sport participant, in-car scenes or in situations where a wireless system cannot be used.

When used in conjunction with a small mixer and the SRC receiver, the SPDR makes for a lightweight interview setup that provides full redundancy - all fitting into a small fanny pack.

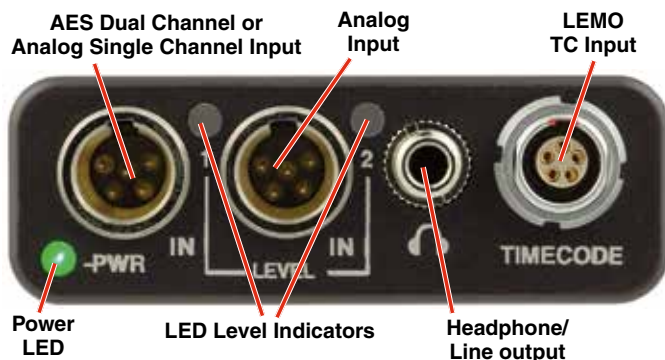
The industry standard 5 Pin LEMO time code input allows a simple momentary jam. The high accuracy oscillator allows free running precision better than 1 ppm for those long recording days.

Offering the same high definition display as the PDR, the SPDR keypad has a tactile feedback riser on the record button for easy eyes-off recording startup. Dweedle tone commands allow easy start and stop using the PDRRemote app.

The SPDR has an external power input with internal battery switchover, allowing all day recording from your bag battery with immediate fall back to the internal batteries should there be an external power loss.

A 32GB memory card allows almost 30 hours of recording time at the 48kHz sample rate.

A high quality headphone output is provided for playback and monitoring.





The rugged aluminum housing allows easy access for the microSDHC memory card (up to 32GB) and DC input for external power. Recordings are stored in industry standard BWF file format (.WAV) with iXML metadata, for compatibility with third party tools such as Wave Agent (tm). The deep buffer allows use of slower cards with high reliability.



The SPDR has outstanding battery life (over 20 hours on AA lithiums) for long term recording capabilities when using only internal batteries. If external power is being used and is accidentally interrupted, a switchover to the internal batteries takes place automatically. The SPDR is compatible with the LM style transmitter belt clips. The wire belt clip (P/N 26526) is included and the hinged style belt clip (P/N BCHINGED) is available as an option.

Specifications

Recording

Storage media: microSDHC memory card
 File format: .wav files (BWF) iXML metadata
 A/D converter: 24-bit
 Sampling rate: 48 kHz or 96 kHz
 Recording modes/Bit rate:

Sample Rate	HD Stereo Mode	Split Gain Mode
48 kHz	288 K bps	576 K bps
96 kHz	576 K bps	not available

- Time Base: 1ppm TCXO

Input

Type:

- Analog mic/line level compatible; servo bias preamp for 2V and 4V lavalier microphones
- Input 1 is switchable to AES3 two channel digital.

 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 Output

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: 0.5V p-p to 5V p-p
 Input impedance: 10 k Ohms
 Format: SMPTE 12M - 1999 compliant

Battery Power/Life

Battery type: AA Alkaline non-rechargeable (recommended)
 Battery life: 13 hours typical at 48kHz sample rate (AA Alkaline)

External Power:

Input voltage: 6-17 VDC
 Input current: 75 mA max @ 12 VDC (96 kHz recording)
 Connector: 2.5mm coaxial connector, center pin positive

Operating Temperature Range

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

Dimensions and Weight

Dimensions: Inches: 3.9 H x 2.38 W x .82D
 Millimeters: 99.06 H x 60.45 W x 20.83 D
 Weight: 5.7 ozs. (162 grams) w/ AA Alkaline batteries (without belt clip)

Specifications subject to change without notice.

