

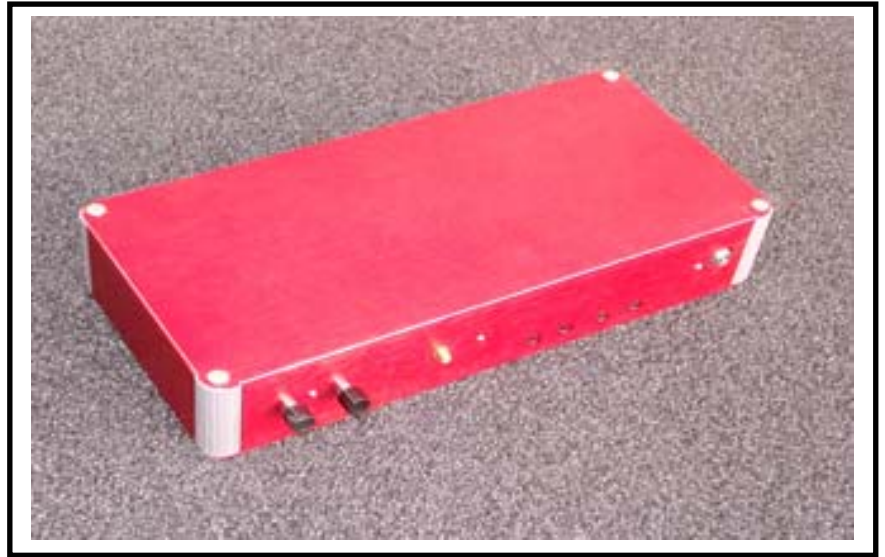
Portable Audio Data Recorder

PADR-100

Sanchez Industrial Design Inc.

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The **Portable Audio Data Recorder (PADR)** is a microprocessor controlled data recorder that is designed to address high capacity, remote and autonomous audio recording. Its small size and low power consumption (approximately 3.75 Watts) allows the unit to be easily transported and to run continuously for extended periods of time (up to 7 days) with external 12 V batteries and/or solar panels.



FEATURES

- **Portable Unit** can also be placed in small environmentally protected cases for outdoor data acquisition
- **60 GB Hard Drive** provides up to a week of continuous audio recording (mono at 16-bit 48KHz)
- **Expandable Data Acquisition** from other sensors. The unit can be fitted with both a (4) port serial card and a CompactFlash card
- **Playback of Audio files** via USB adaptor. The WAV files can be used by most commercially available computer programs
- **Connects to USB Port** for high-speed data transfer
- **Powered** via standard 12V batteries and/or solar panels
- **Supports WAV Audio Format.** The WAV files are created automatically at pre-set intervals that can range from 1 minute to 12 hours or by pressing the Start/Stop button
- **GPS Port** allows the unit to obtain precise time and location. The time stamping feature is used during the WAV file creation (this information is critical during playback and allows for the precise synchronization of multiple units)
- **Simple Design** with minimal number of buttons and controls (to allow ease of operation)

SPECIFICATIONS

- **NUMBER OF CHANNELS:** 1 (mono)
- **SAMPLING RATE:** 48KHz
- **RESOLUTION:** 16-bit
- **INPUTS:** Line In or Mic In via stereo mini jack (note: units are factory set for mono recording only)
- **OUTPUTS:** Headphone or Line Out via stereo mini jack
- **POWER REQUIREMENTS:** external battery (12V at 312 mA)
- **DIMENSIONS (WHD):** 4.5" x 1.5" x 10"
- **WEIGHT:** approximately 2 ½ lbs
- **SUPPLIED ACCESSORIES:** DC Power cable, 60 GB Hard Drive, USB adaptor
- **OPTIONAL ACCESSORIES:**
 - (4) Port Serial Card
 - CompactFlash card
 - Ethernet port (used for remote control of the unit)

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