# TASCAM®
## TEAC PROFESSIONAL

# DR-2d

**Portable Linear PCM Recorder**

The DR-2d is a compact linear PCM recorder that captures hours of high-resolution audio material to SD memory media. A built-in stereo condenser microphone allows the user to record from almost anywhere in uncompressed WAV or compact MP3 file format at up to 96 kHz/24-bit. Users may also use their own set of microphones using the mic input with switchable plug-in power, and a line input is available for other sources.

The most remarkable feature of the DR-2d, however, is its ability to create two recordings at the same time. Create two files with different microphone levels, or record from the mic and line inputs at the same time. By mixing the two files on a computer later, you can add live atmosphere to a recording derived from a FOH mixer, for instance. It is also possible to record a mix from the mics and the line input to a single file directly.

The recorder includes auto gain control and a limiter for easy setup and a switchable low-frequency filter to eliminate handling or wind noise. One out of six reverb effects can be applied to the playback signal or to the input signal during recording. Recordings can also be added to existing audio files (overdub feature). And a host of playback features is supplied, including pitch and key control, a cancelling function and a metronome.

The DR-2d is powered by two easily-available AA batteries or an optional Tascam AC adapter (PS-P520) and comes with a 2-Gigabyte SD card for hours of recording time.

## Main Features

- **Portable, handheld recording to SD or SDHC media (2 GB card included)**
- **Ideal for music recording, news gathering, podcast creation etc.**
- **MP3 and WAV file recording and playback**
- **Selectable recording formats:**
  - WAV (linear PCM, 16/24-bit, 44.1/48/96 kHz)
  - MP3 (compressed, 32–320 kbit/s)
- **Advanced stereo condenser microphone (improved S/N ratio compared to DR-1)**
- **Unique dual recording feature:**
  - Create separate recordings with different level settings from the built-in or external microphones at the same time (two files are recorded)
  - Create a mix recording from the microphones and line input (one file is recorded)
  - Create separate recordings from the microphones and line input at the same time (two files are recorded)
- **Switchable low-cut filter (40/80/120 Hz)**
- **Switchable auto gain control and limiter**
- **Reverb effect can be applied to the input or**

- **Built-in mono loudspeaker for checking recordings**
- **Stereo mic input for an external stereo microphone (mini jack)**
- **Stereo line input for other recording sources (mini jack)**
- **Headphone/Line output (stereo mini jack)**
- **Playback features include:**
  - Loop, repeat and single playback
  - Folder or playlist playback
  - ID3 tag display for MP3 files (up to version 2.4)
  - Vocal/instrument cancel feature with selectable range and pan point
  - Pitch control (50 % to 200 %)
  - VSA function (tempo control without affecting the key)
  - Key control (to tune the playback sound up or down by 1–6 semitones)
  - Metronome
- **File divide function for WAV files (to cut unwanted noise for instance)**
- **File naming by date or user-defined by six characters**

- playback signal (6 presets)
- **Overdub feature to add narration, singing or instruments to an existing recording**
- **Auto recording feature (recording starts and pauses automatically when the input signal passes a threshold level)**
- **Pre-recording buffer (2 seconds) allows a recording to start before the record key is pressed**
- **Delayed recording feature to prevent the unit from recording a touch noise of keystroke**
- **Create a new file during recording (manually or by file size)**
- **Set marks to quickly locate certain audio positions**

- **128 x 64 dot matrix LCD with backlight**
- **USB 2.0 port for file transfer to/from computer (USB cable included)**
- **Stand adapter (¼ inch) on bottom side to attach the unit to a tripod or microphone stand**
- **Powered by two AA size Alkaline or NiMH batteries (up to 6 hours operating time)**
- **Softcase included**
- **Wireless remote control included**
- **Optionally available:**
  - **PS-P520** AC adapter
  - **WS-DR2** wind screen

## Specifications

| General | |
|---|---|
| Recording medium | SD card (64 MB to 2 GB) or SDHC card (4–32 GB) |
| Recording/playback formats | |
| MP3 | 32–320 kbit/s<br>44.1/48 kHz sampling frequency<br>Variable bit rate (playback only)<br>ID3 tag support up to Version 2.4 |
| PCM (WAV) | 44.1/48/96 kHz sampling frequency<br>16/24-bit resolution |
| Number of audio channels | 2 (stereo) |

| Audio performance | |
|---|---|
| Frequency range (LINE IN > LINE OUT, nominal input level) | 44.1 kHz: 20 Hz to 20 kHz, +1/−3 dB<br>48 kHz: 20 Hz to 22 kHz, +1/−3 dB<br>96 kHz: 20 Hz to 42 kHz, +1/−3 dB |
| Distortion (LINE IN > LINE OUT) | <0.02 % (AES-17) |
| S/N ratio (LINE IN > LINE OUT) | >90 dB(A) |

| Audio inputs and outputs | |
|---|---|
| Mic input | 3.5-mm stereo jack (switchable plug-in power) |
| Input impedance | 25 kOhm |
| Nominal input level | −32 dBV (GAIN LOW)<br>−48 dBV (GAIN MID) |
| −64 dBV (GAIN HIGH) | Maximum input level |
| −16 dBV (GAIN LOW) | −48 dBV (GAIN HIGH) |
| −32 dBV (GAIN MID) | |
| Line input | 3.5-mm stereo jack |
| Input impedance | 22 kOhm |
| Nominal input level | −10 dBV |
| Minimum input level | −22 dBV |
| Maximum input level | +6 dBV |
| Headphones/Line output | 3.5-mm stereo jack |
| Nominal output level | −14 dBV (at 10 kOhm) |
| Maximum output level | +2 dBV (at 10 kOhm) |
| Maximum headphones output | 15 mW + 15 mW (at 32 Ohm) |
| Built-in loudspeaker | 0.6 W (monaural) |

| Other inputs and outputs | |
|---|---|
| USB port | Mini B-type connector (USB 2.0 format) |

| Computer requirements | |
|---|---|
| Supported operating systems | Windows XP, Windows Vista, Windows 7<br>Mac OS X 10.2 or later |
| Windows | Pentium 300 MHz or faster<br>128 MB or more memory<br>USB port (USB 2.0 recommended) |
| Macintosh | POWER PC, iMac, G3, G4, 266 MHz or faster<br>64 MB or more memory<br>USB port (USB 2.0 recommended) |
| Recomended USB host controller | Intel chipset |

| Power supply and other specifications | |
|---|---|
| Power supply | Two AA batteries (Alkaline or NiMH) |

| | |
|---|---|
| | or AC adapter Tascam PS-P520 (optionally available) |
| Battery operation time | Apprx. 6 hours (recording or playback, JEITA standard) |
| Power consumption | 0.9 W |
| Dimensions (W x H x D, excluding protrusions) | 65 mm x 118 mm x 24 mm |
| Weight | 0.14 kg (excluding batteries) |

Design and specifications subject to change without notice.