

TASCAM

DR-40

Handheld Linear PCM/MP3 Recorder



Multi-lingual menu: EN, DE, FR, IT, ES, RU, RC, JP

The Tascam DR-40 packs four-track recording, adjustable condenser microphones, XLR mic inputs and extended battery life into a portable recorder you can take anywhere. It captures up to four tracks from built-in microphones, external mics or line level sources. The high-quality internal microphones are adjustable from XY to AB position, helping you to tailor your recording to the sound source. A pair of great-sounding Tascam microphone preamps welcome condenser microphones with phantom power, recording at up to 96kHz/24-bit resolution. It accommodates balanced XLR or 6.3-mm line inputs using locking Neutrik combo jacks. The DR-40 accepts SD or SDHC cards up to 32GB, and a 2GB card is included. Once recorded, you can play back your takes with EQ and the optional Level Align feature to increase the perceived overall sound pressure. A stereo reverb effect is also built-in, as well as a loudspeaker and a chromatic tuner. Recordings can be transferred to computer using a USB 2.0 connection. Other features include overdub mode, playback at variable speed, limiter and low-cut filter, and much more. With a simple-to-use interface, the DR-40 is perfect for home or live recording.

The DR-40 can be operated by an optional footswitch (**RC-3F**) or an optional wired remote control (**RC-10**). A battery pack (**BP-6AA**) is also available as an option. It takes six AA batteries and increases the operation time from 17.5 to over 50 hours without the need for an AC adapter or a computer. The battery pack is designed to attach itself to the DR-40 and a tripod and will be available in October 2011.

Options



RC-10: Wireless/wired remote control



RC-3F:
Footswitch

Features at a glance

- **Portable, high-quality handheld recording**
 - **Compact size and easy operation**
 - **Uses a SD/SDHC card as recording medium (2 GB included)**
 - **Supported audio formats:**
 - Linear PCM (WAV format) at 44.1/48/96 kHz and 16/24-bit
 - Compressed (MP3 format): 32–320 kbit/s at 44.1/48 kHz (VBR files can be played but not recorded)
- Recording features**
- **Built-in cardioid stereo condenser microphone**
 - Accepts high sound pressure level
 - Easy setup (AB and XY configuration supported)
 - XY configuration allows mono compatible recordings and high sound localization acuity (lively interviews or field recordings with ambience)
 - Good directivity and channel separation
 - Ideal for live music and field recording, news gathering, music training etc.
 - **Stereo XLR/TRS mic/line input with phantom power (supports +4 dB line level input)**
 - **4-track recording**
 - Create two stereo recordings from the built-in microphones and the external mic/line input at the same time
 - Create two stereo recordings with different level settings from the built-in microphones or external mic/line input at the same time
 - Non-destructive overdub: Record a mix of one or two stereo playback files and a stereo input signal to a new stereo file or record only the input signal while playing back one stereo file
 - Mixdown feature with level, pan and effect controls for each track (creates a stereo track from a 4-track recording)
 - **MS decoder for recordings created with mid/side microphone configuration**
 - **Switchable low-cut filter (40 Hz, 80 Hz, 120 Hz)**
 - **Manual or automatic recording level setting**
 - **Three Options of automatic level control during recording: Peak Reduction, Auto Level, Limiter**
 - **Pre-recording buffer (2 seconds) allows a recording to start before the record key is pressed**
 - **Auto recording start and stop by input level**
 - **Self-timer allows a recording to start 5 or 10 seconds after pressing the RECORD button**
- **Create a new file during recording (manually or by file size)**
 - **Mark function (manual or automatic, up to 99 marks for each file)**
- Playback features**
- **Automatic level align allows to increase the perceived overall sound pressure during playback**
 - **Variable speed audition to change the playback tempo without affecting the key (50–150 %)**
 - **Repeat function (repeat one track or all tracks)**
 - **Loop function (repeat a marked section)**
 - **Playlist feature to play files in a certain order**
 - **Resume function (start playback from the audio position where the unit was last stopped)**
 - **Flash back function to instantly review playback (1–10, 20, 30 seconds)**
 - **EQ for tone control during playback**
 - **MP3 ID3 tag display (up to version 2.4)**
 - **Built-in monitor loudspeaker**
 - **Headphones/Line output**
- Other features**
- **Built-in reverb effect (6 presets, can be applied to input or output signal)**
 - **Chromatic tuner function to tune your instrument**
 - **File divide function to cut unwanted noise or to extract parts from long recordings (WAV format only)**
 - **Folder management to organize your files**
 - **Hold function to avoid inadvertent operation**
 - **Clear, backlit LC display**
 - **USB 2.0 port for file transfer to/from computer**
 - **Power supply by 3 AA size Alkaline or NiMH batteries (up to 15 hours continuous operation with phantom power off), USB bus power or optional AC adapter (Tascam PS-P520E)**
 - **Stand adapter (1/4 inch) on bottom side to attach the unit to a tripod or microphone stand**
 - **Optional footswitch (RC-3F) and wired remote control (RC-10)**

Specifications

| General | |
|---------------------------|---|
| Recording media | SD card (64 MB – 2 GB) SDHC card (4–32 GB) |
| Recording/playback format | BWF: 44.1/48/96 kHz, 16/24-bit WAV: 44.1/48/96 kHz, 16/24-bit MP3: 44.1/48 kHz, 32/64/96/128/192/256/320 kbps |
| Number of channels | 4 channels (stereo x 2) |

| Analogue audio inputs and outputs | |
|---|--|
| Microphone input (EXT MIC/LINE IN, phantom power supported) | XLR-3-31 (1 = ground, 2 = hot, 3 = cold (–)) |
| Input impedance | 2.2 k Ω |
| Nominal input level | –19 dBV |
| Maximum input level | –3 dBV |
| Line input (EXT MIC/LINE IN) | 6.3-mm TRS standard jack (Tip = hot, Ring = cold, Sleeve = ground) |
| Input impedance | 10 k Ω or more |
| Nominal input level | +4 dBu |
| Maximum input level | +20 dBu |
| Headphones/Line output | 3.5-mm stereo mini jack |
| Output impedance | 12 Ω |
| Nominal output level | –14 dBV (10 k Ω load) |
| Maximum output level | +2 dBV (10 k Ω load) |
| Maximum output power | 20 mW + 20 mW (when connected to headphones, 32 Ω load) |
| Built-in loudspeaker | 0.3 W (monaural) |

| Other inputs and outputs | |
|--------------------------|---------------------------------------|
| USB | Mini-B type |
| Format | USB 2.0 HIGH SPEED mass storage class |
| REMOTE | 2.5mm TRS jack |

| Audio performance | |
|--|--|
| Frequency response (EXT IN to LINE OUT, JEITA) | 20 Hz–20 kHz +1/–3 dB (44.1 kHz) 20 Hz–22 kHz +1/–3 dB (48 kHz) 20 Hz–40 kHz +1/–3 dB (96 kHz) |
| Total harmonic distortion | 0.05% or lower (EXT IN to LINE OUT, 44.1/48/96 kHz, JEITA) |
| S/N ratio | 92 dB or higher (EXT IN to LINE OUT, 44.1/48/96 kHz, JEITA) |
| Note on JEITA: Conforming to JEITA CP-2150 | |

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

| Power supply and other specifications | |
|---------------------------------------|---|
| Power supply | Three AA batteries (Alkaline or Ni-MH) USB bus power supplied from a computer AC adaptor (TASCAM PS-P515U, sold separately) |
| Power consumption | 1.7 W (maximum) |
| Dimensions (W x H x D) | 70 mm x 155 mm x 35 mm (when the microphone pair is close) 90 mm x 155 mm x 35 mm (when the microphone pair is open) |
| Weight | 0.213 kg (not including batteries) |
| Operating temperature range | 0–40 °C |

Design and specifications subject to change without notice.

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