

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 kHz, 16/24-bit WAV: 44.1/48 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 kΩ
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 kΩ 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 kΩ load)
Maximum output level	+2 dBV (10 kΩ 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 (Wx 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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