

DR-07

Portable Digital Recorder



The DR-07 offers good recording quality and easy operation at an affordable price. The built-in stereo microphone enables you to record directly in MP3 or WAV format. Alternatively, an external mic can be connected through a mini jack, or you can use a stereo line input with adjustable level for other sources. The recorder features auto gain control and an analogue limiter, a low-cut filter with three switchable frequencies, playback pitch and key control (combined or independently), loop playback, a 2-second buffer to start recording before the record key is pressed, a file divide function to cut unwanted parts of a recording, a USB port and a screw socket on the bottom to attach the unit to a tripod or microphone stand.

The DR-07 comes with a 2GB SD card and windshield and can be operated by two alkaline batteries or NiMH rechargeables – perfect for 7 to 8 hours of recording on the road. An AC adapter is available as an option.

Main Features

- Portable, handheld recording
- MP3 and WAV file recording and playback
- Selectable recording formats:
 - WAV: 16-bit, 24-bit
 - MP3: 32/64/96/128/192/256/320 KBit/s (VBR files can be played but not recorded)
- 48-kHz or 44.1-kHz recording resolution
- Built-in high-quality stereo condenser microphone
- Switchable low-cut filter (40 Hz, 80 Hz, 120 Hz)
- Analogue auto gain control
- Analogue limiter to prevent clipping
- Pre-recording buffer (2 seconds) allows a recording to start before the record key is pressed
- Stereo mic input for an external stereo microphone (mini jack)
- Stereo line input with adjustable level to connect an external source (mini jack)
- Headphone/Line output (mini jack)
- Playback features include:
 - Loop, repeat and single playback
 - Folder or playlist playback
 - MP3 ID3 tag display (up to version 2.4)
 - Pitch control (-50 % to +16 %)
 - Key control (to tune the playback sound up or down by 1–6 semitones)
 - VSA function (change the tempo without affecting the key)
- File divide function (to cut unwanted noise, for instance)
- Create a new file during recording (manually or by file size)
- 2-Gigabyte SD card included
- USB 2.0 connection for file transfer to/from computer
- Powered by two AA size Alkaline or NiMH batteries (up to 7.5 hours when recording in MP3 format)
- AC adapter available as an option ([PS-P520](#))
- Stand adapter (¼ inch) on bottom side to attach the unit to a tripod or microphone stand
- Windshield included as standard

Specifications

Audio inputs and outputs

Mic input	3.5-mm stereo jack (plug-in power)
Input impedance	30 kOhm
Nominal input level	-64 dBV (GAIN HIGH) -48 dBV (GAIN MID) -32 dBV (GAIN LOW)
Maximum input level	-48 dBV (GAIN HIGH) -32 dBV (GAIN MID) -16 dBV (GAIN LOW)
Line input	3.5-mm stereo jack
Input impedance	23 kOhm
Nominal input level	-10 dBV
Maximum input level	+6 dBV
Headphones/Line output	3.5-mm stereo jack
Nominal output level (Line)	-14 dBV
Maximum output level (Line)	+2 dBV
Maximum headphones output	15 mW + 15 mW (at 32 Ohm)

Audio performance

Frequency range (LINE IN > LINE OUT)	20 Hz to 20 kHz, +1/-3 dB
Distortion (1 kHz, +6 dBV input, LINE IN > LINE OUT)	<0.015 %
S/N ratio (LINE IN > LINE OUT)	>90 dB

Audio file compatibility

MP3 files	32-320 KBit/s 44.1/48 kHz sampling frequency VBR (Variable Bit Rate, playback only) ID3 tag support up to Version 2.4
WAV files	44.1/48 kHz sampling frequency 16/24-bit resolution
Recording medium	SD card (64 MB-2 GB) or SDHC card (4-32 GB)
File system	FAT16/32

Computer requirements

Supported operating systems	Windows 2000 SP4 or later, Windows XP and Windows Vista, Windows 7, Mac OS X 10.2 or later
Windows	Pentium 300 MHz or faster 128 MB or more memory USB port (USB 2.0 recommended)
Macintosh	POWER PC, iMac, G3, G4 266 MHz or port 64 MB or more memory USB port (USB 2.0 recommended)
Recommended USB host controller	Intel chipset

Power supply and other specifications

Operating temperature	5-35 °C
Battery life	Approx. 7.5 hours when recording Approx. 8.5 hours when playing (Alkaline batteries, no backlight, MP3 with 128 KBit/s, varies with operating conditions)
Power consumption	0.7 W (during MP3 playback)
Dimensions (W x H x D, excluding protrusions)	55 mm x 137 mm x 27 mm
Weight	0.13 kg (including batteries)
Accessories available for purchase	PS-P520 AC adapter

Design and specifications subject to change without notice.

Last modified: 2010-10-07 14:39:19 UTC