11 – Specifications

Recording media and formats

Recording media
SD card (2 GB) Class 4 or faster
SDHC card (4 GB – 32 GB) Class 4 or faster

File system
FAT16 (2 GB Cards)
FAT32 (Cards larger than 4 GB)

Supported recording and playback formats
BWF: 16/24-bit, 44.1/48/96/192 kHz
WAV: 16/24-bit, 44.1/48/96/192 kHz
MP3: 96/128/192/320 kbps, 44.1/48 kHz

Number of tracks
6 tracks and a stereo mix track
BWF: 44.1/48/96 kHz
WAV: 44.1/48/96 kHz
MP3: 44.1/48 kHz
2 tracks
BWF: 192 kHz
WAV: 192 kHz

File recording modes
BWF: monaural, stereo, 6-channel
WAV: monaural, stereo, 6-channel
MP3: monaural, stereo

Input and output

Analog audio input and output

MIC/LINE INPUTS
Connectors: XLR-3-31/standard 6.3-mm (1/4”)
TRS
(1: GND 2: HOT 3: COLD/Tip: HOT Ring: COLD
Sleeve: GND)
INPUT switch set to MIC
Input impedance: 2.4 kΩ
Nominal input level:
GAIN LOW: –20 dBu (0.11 V)
GAIN HIGH: –44 dBu (6.91 mV)
Maximum input level:
GAIN LOW: +3 dBu (1.55 V)

USB connection
USB port connector: Mini-B type
Format: USB2.0 HIGH SPEED (480 Mbps)
11 – Specifications

Audio performance

(From LINE IN to LINE OUT, Input level = FS –1 dB)

Frequency response
20 Hz-20 kHz +0.5/-1.5 dB (44.1 kHz)
20 Hz-20 kHz +0.5/-0.5 dB (48 kHz)
20 Hz-40 kHz +0.5/-1.0 dB (96 kHz)
20 Hz-80 kHz +0.5/-5.0 dB (192 kHz)

Distortion
0.007% (1 kHz)

S/N ratio
98 dB (A-weighted)

Requirements for connected computers

See the TASCAM web site (http://www.tascam.com/) for the latest information about OS compatibility.

Windows computer
Pentium 300 MHz or faster
128 MB or more memory
USB port (USB2.0 recommended)

Macintosh computer
266 MHz Power PC, iMac, G3, G4 or faster
64 MB or more memory
USB port (USB2.0 recommended)
Intel USB host controller recommended

Supported Operating Systems
Windows XP, Windows Vista, Windows 7
Mac OS X 10.2 or newer

Other specifications

Power supply
8 AA batteries (alkaline or NiMH)
AC adaptor (TASCAM PS-1225L, included)

Power consumption
100-120V: 9W (Phantom on, AC Adaptor PS-1225L)
220-240V: 9.5W (Phantom on, AC Adaptor PS-1225L)

Battery operation time (when used continuously)
Alkaline batteries
About 4 hours recording (JEITA)
About 4 hours playback (JEITA)
NiMH batteries
About 4.5 hours recording (JEITA)
About 4.5 hours playback (JEITA)

Dimensions (width x height x depth)
216.4 x 56 x 188.4 mm
8.52 x 2.21 x 7.41 in

Weight
1.2 kg/2.646 lb (without batteries)

Operating temperature range
0–40° C/32–104° F
Illustrations in this manual might differ from the actual product.

In order to improve the product, specifications and appearance could be changed without prior notice.
11 – Specifications

Block diagrams

- Recording

- Play
11 – Specifications

I/O

Input Type A

Input Type B

Typical Output

LINE OUTPUT
ODD ch: L
EVEN ch: R

TASCAM DR-680 55