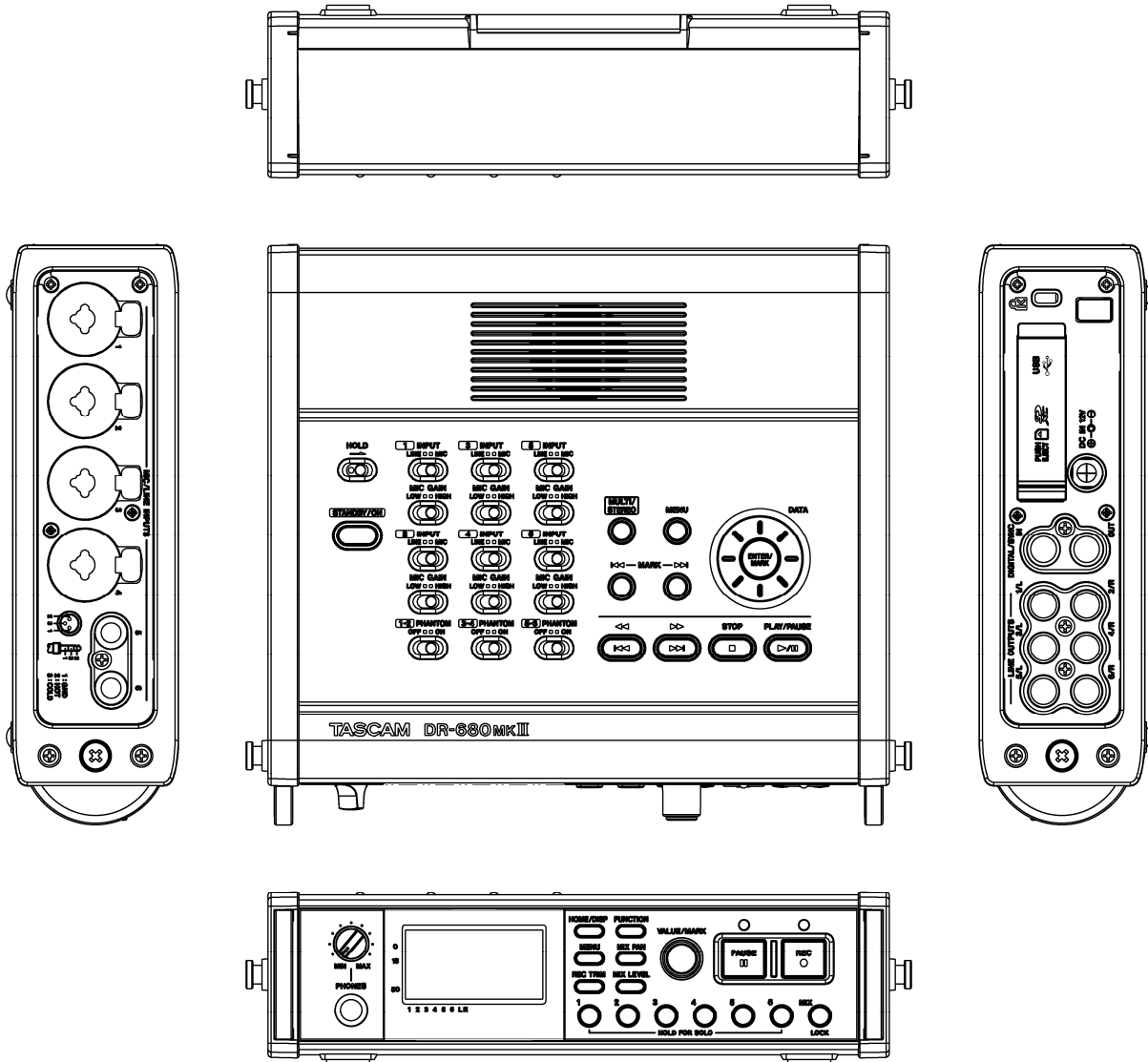


Product Spec Sheet
Portable Multitrack Recorder
DR-680MK II



■ **Specifications**

Recording media and formats

• **Recording media**

- SD card (64MB – 2 GB)
- SDHC card (4 GB – 32 GB)
- SDXC card (48 GB – 128 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

(1: GND, 2: HOT, 3: COLD)

6.3mm (1/4") standard TRS jacks

(Tip: HOT, Ring: COLD, Sleeve: GND)

INPUT switch set to MIC (phantom power supported)

Input impedance:	2.4 k Ω
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)
GAIN HIGH:	-21 dBu (0.098 V)
Minimum input level:	
GAIN LOW:	-51.5 dBu (2.0 mV)
GAIN HIGH:	-75.5 dBu (0.1 mV)

INPUT switch set to LINE

Input impedance:	10 k Ω
Nominal input level:	+4 dBu (1.23 V)
Maximum input level:	+24 dBu (12.3 V)
Minimum input level:	-27.5 dBu (0.05 V)

•LINE OUTPUTS jacks

Connectors:	standard RCA pin jacks
Output impedance:	200 Ω
Nominal output level:	-10 dBV (0.3 V)
Maximum output level:	+6 dBV (2.0 V)

•PHONES jack

Connector:	standard 6.3mm (1/4") stereo jack
Maximum output:	50 mW + 50 mW (into 32 Ω load)

•Built-in speaker

500 mW (monaural)

Digital audio input and output**•DIGITAL/SYNC IN jack**

Connector: RCA pin jack
Format: IEC60958-3 (S/PDIF) or AES3-2003/IEC60958-4(AES/EBU)
automatically determined

•DIGITAL/SYNC OUT jack

Connector: RCA pin jack
Format: IEC60958-3 (S/PDIF) or AES3-2003/IEC60958-4 (AES/EBU) set
by user

Control input and output**•USB connection**

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

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

100dB or more (MIC IN → DIGITAL OUT, MIC GAIN = LOW, TRIM=0, A-WTD)
100dB or more (LINE IN→LINE OUT, A-WTD)
EIN (Equivalent Input Noise)
'-124dBu or less (150Ω terminate, MIC GAIN = HIGH, TRIM = MAX)

Other specifications**•Power supply**

8 AA batteries (alkaline, NiMH or lithium)
AC adaptor (GPE248-120200-Z, included)

•Power consumption

100-120V: 9W (When phantom power ON and GPE248-120200-Z AC adaptor used)
220-240V: 9.5W (When phantom power ON and GPE248-120200-Z AC adaptor used)

•Battery operation time (when used continuously)

Alkaline batteries (EVOLTA)

About 3.5 hours (6 channels of phantom power used, 3 mA per channel)
About 4.5 hours (2 channels of phantom power used, 3 mA per channel)
About 6 hours (phantom power not used)

NiMH batteries (eneloop)

About 4 hours (6 channels of phantom power used, 3 mA per channel)
About 4.5 hours (2 channels of phantom power used, 3 mA per channel)
About 5.5 hours (phantom power not used)

Lithium batteries (Energizer Ultimate Lithium)

About 7.5 hours (6 channels of phantom power used, 3 mA per channel)
About 9.5 hours (2 channels of phantom power used, 3 mA per channel)
About 11 hours (phantom power not used)

•Dimensions (width x height x depth)

216.4 x 56 x 188.4 mm

8.52 x 2.21 x 7.41 in

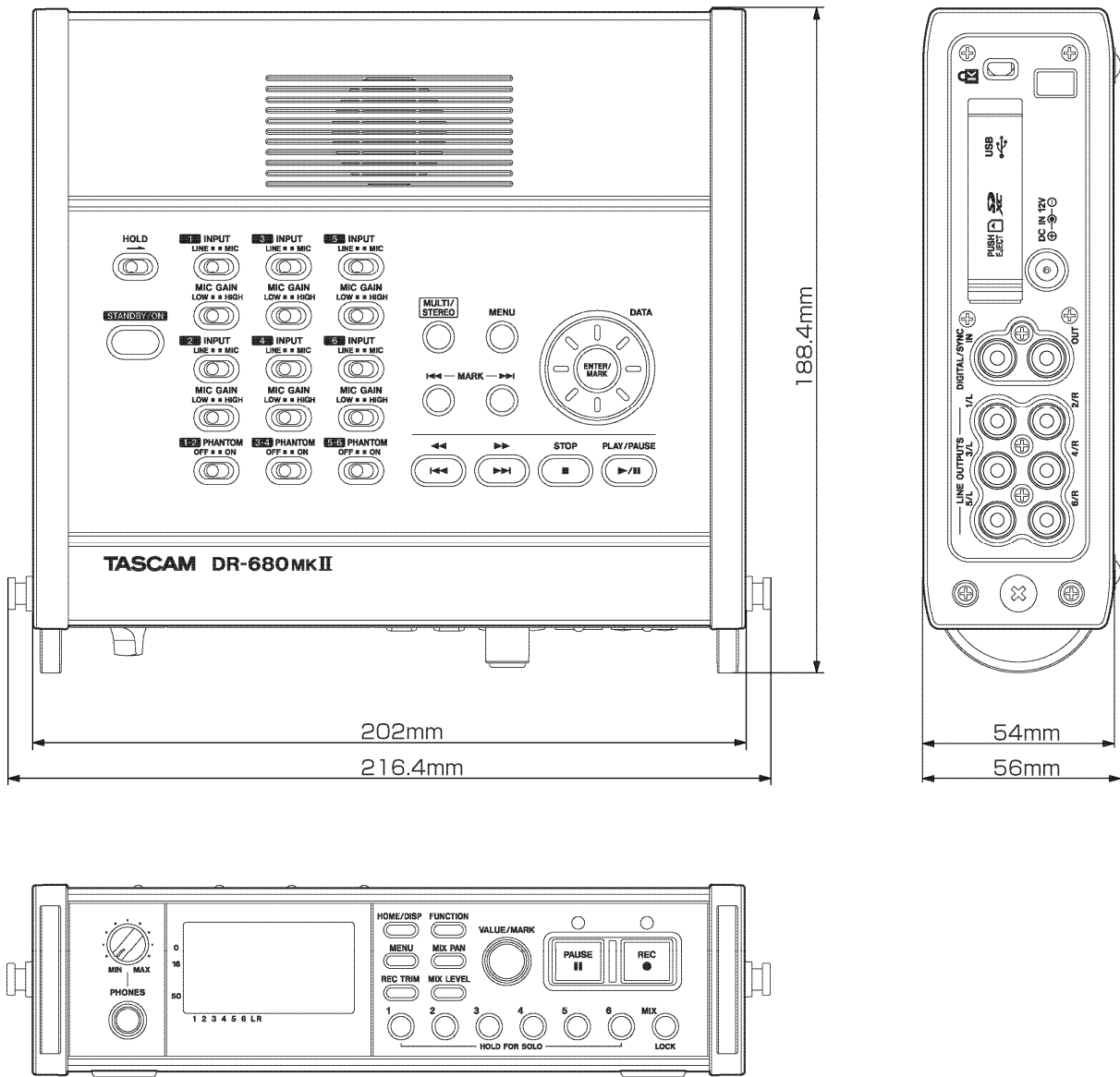
•Weight

1.2 kg/2.646 lb (without batteries)

•Operating temperature range

0–40° C/32–104° F

■ Dimensional drawings



- ※TASCAM is trademark of TEAC CORPORATION, registered in the U.S. and other countries.
- ※Other company names, product names and logos are the trademarks or registered trademarks of their owners.
- ※Specifications and appearance are subject to change without notice.
- ※All information included in this document is as of Jan, 2015.