

# 9 – Specifications

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## Input/output ratings

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### Analog audio input/output

#### MIC IN (Balanced) terminal

Connector: XLR-3-31 equivalent

Nominal input level:

–58 dBu (When **INPUT** knob is set to **MIC**)

–14 dBu (When **INPUT** knob is set to **LINE**)

Maximum input level:

+2 dBu (When **INPUT** knob is set to **LINE**)

Input impedance: 2.2 k $\Omega$

#### LINE IN (Balanced) terminal

Connector: TRS Standard phone jack

L channel, and R channel with **MIC/LINE-GUITAR** set to **MIC/LINE**

Nominal input level:

–40 dBu (When **INPUT** knob is set to **MIC**)

+4 dBu (When **INPUT** knob is set to **LINE**)

Maximum input level:

+20 dBu (When **INPUT** knob is set to **LINE**)

Input impedance: 15 k $\Omega$

R channel with **MIC/LINE-GUITAR** set to **GUITAR**

Nominal input level:

–51 dBV (When **INPUT** knob is set to **MIC**)

–7 dBV (When **INPUT** knob is set to **LINE**)

Maximum input level:

+9 dBV (When **INPUT** knob is set to **LINE**)

Input impedance: 1 M $\Omega$

#### LINE OUT (Unbalanced) terminal

Connector: RCA pin jack

Nominal output level: –10 dBV

Maximum output level: +6 dBV

Output impedance: 200 $\Omega$

#### PHONES terminal:

Connector: Standard stereo phone jack

Maximum output level: 18 mW + 18 mW or more (THD+N less than 0.1%, 32 $\Omega$  load)

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## Digital audio input/output

#### DIGITAL IN (COAXIAL) jack

Connector: RCA pin jack

Compatible signal format: IEC60958 (S/PDIF) for consumer use

#### DIGITAL OUT (COAXIAL) jack

Connector: RCA pin jack

Compatible signal format: IEC60958 (S/PDIF) for consumer use and IEC60958 (AES/EBU) for professional use

Switch using control panel

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## Control input/output

### MIDI IN terminal

Connector: DIN 5 pin

Format: Standard MIDI format

### MIDI OUT terminal

Connector: DIN 5 pin

Format: Standard MIDI format

### USB terminal

Connector: USB B type 4 pin

Format:

USB 2.0 High speed (480 MHz)

USB 2.0 Full speed  
(12 MHz USB 1.1 equivalent)

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## Audio performance

### Frequency response

20 Hz - 20 kHz, +0.5 dB/-1.0 dB (44.1/48 kHz) (MIC to LINE OUT)

20 Hz - 40 kHz, +0.5/-1.5 dB (88.2/96 kHz) (MIC to LINE OUT)

### Signal-to-noise ratio (LINE IN to LINE OUT)

Through ADC and DAC: 98 dB  
(When INPUT knob is set to LINE, 20 kHz LPF + A-weighted)

Direct monitor: 107 dB  
(When INPUT knob is set to LINE, 20 kHz LPF + A-weighted)

### Total harmonic distortion (LINE IN to LINE OUT)

Through ADC and DAC: Less than 0.0045%  
(When INPUT knob is set to LINE, 1 kHz +20 dBu input, 20 kHz LPF)

Direct monitor: Less than 0.002%  
(When INPUT knob is set to LINE, 1 kHz, +20 dBu input, 20 kHz LPF)

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## Computer requirements

See the TASCAM website for updated information about OS compatibility.

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## Windows

### Supported Operating system

Windows:

- Windows XP 32 bit SP2/SP3
- Windows XP 64 bit SP2
- Windows Vista 32 bit SP2
- Windows Vista 64 bit SP2 or later

### Supported computer system

Windows compatible computer with a USB port (USB 2.0 is recommended)

- CPU/clock:  
Pentium 4 1.4 GHz or faster  
AMD Athlon 1.4 GHz or faster  
(or equivalent processor)
- Memory:  
512 MB or more for Windows XP 32-bit and Windows Vista 32-bit  
1 GB or more for Windows XP 64-bit and Windows Vista 64-bit

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## Macintosh

### Supported operating system:

Mac OS X 10.4.11  
Mac OS X 10.5.6  
or later

### Supported computer system:

Apple Macintosh series equipped with a USB port as standard equipment

- CPU/clock:  
Power PC G4 1 GHz or faster, or Intel processor
- Memory:  
512 MB or more

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## General

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### Sampling frequency

44.1/48/88.2/96 kHz

### Sampling bit rate

16/24 bit

### Power

Supplied via USB (5V, maximum current 500 mA)

### Power consumption

2.5 W

### Dimensions

135.4 x 179 x 47 mm (W x H x D)

### Weight

0.7 kg

### Operating temperature

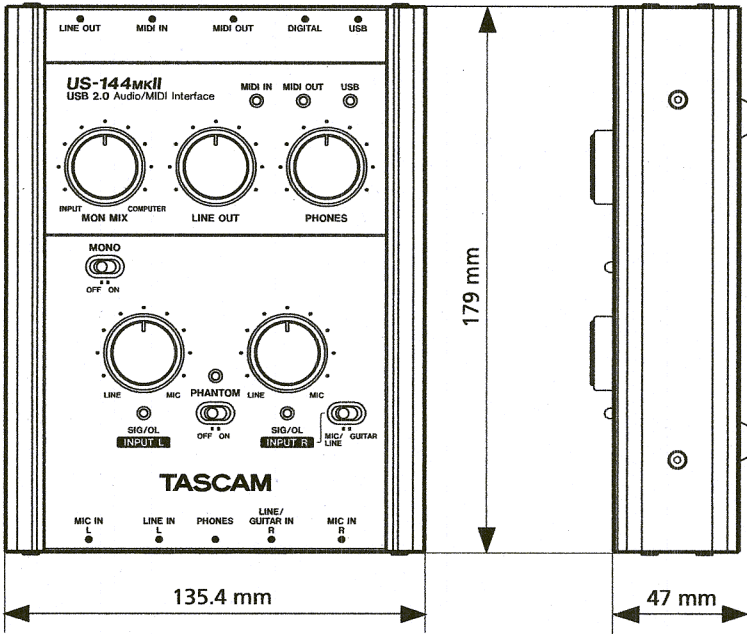
5 to 35 °C

### Bundled software

Cubase LE4 (for Windows or Macintosh)

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## Dimensions



- Illustrations and other depictions may differ in part from the actual product.
- Specifications and external appearance may be changed without notification to improve the product.