

# ROLAND R-44E SPECIFICATIONS

## RECORDER SECTION

---

Channels

---

4

---

Data Type

---

Format : WAV/BWF

---

Sampling Bit Rate

---

16/24-bit

---

Sampling Frequency

---

44.1kHz/48kHz/88.2kHz/96kHz/192kHz (Limited to Stereo x 1 at 192kHz) \* 16 or 24-bit sampling rate can be selected with any frequency

---

Recording Media

---

SDHC / SD memory card (compatible with 64 MB - 32 GB)

---

Recording Time using 8 GB SDHC card

---

16 bit/44.1kHz : 755 minutes (Stereo), 377 minutes (4ch)

16 bit/48kHz : 694 minutes (Stereo), 347 minutes (4ch)

24 bit/48kHz : 462 minutes (Stereo), 231 minutes (4ch)

24 bit/96kHz : 231 minutes (Stereo), 115 minutes (4ch)

24 bit/192kHz : 115 minutes (Stereo)

\* Recording times are approximate. Actual results may vary somewhat.

\* If more than one recorded file exists, the total recordable time will be less than listed.

---

## INPUT AND OUTPUT

---

Analog Input

---

Ch 1 - 4 : XLR/TRS Combo type, XLR type (phantom powered)

---

Analog Output

---

Ch 1 - 4 : XLR/TRS Combo type, XLR type (phantom powered)

---

Digital In/Out

---

RCA Pin type (IEC 60958-3)

---

Input Impedance

---

XLR: 4k ohms or greater (balanced), TRS: 6k ohms or greater (balanced)

---

#### Nominal Input Level

---

11 steps : -56, -50, -44, -38, -32, -26, -20, -14, -8, -2, +4 (Input Level Knob : Center)

---

#### Maximum Input

---

+24 dBu (Input Sens Knob: +4 dBu)

---

#### Output Impedance

---

Line Output : 600 ohms

---

#### Recommended Load Impedance

---

Line : 4k ohms or greater

---

#### Output Level

---

Line Output : -20 dBu (fixed)

---

#### Total Harmonic Distortion + Noise

---

Line Output : 0.02 % (Input Sens : +4 dBu)

---

#### Noise Level

---

Line Output : -100 dBu (Input Sens : +4 dBu, Input Level : Center)

---

#### Residual Noise Level

---

Line Output : -103 dBu (Input Sens : +4 dBu, Input Level : Minimum)

---

#### Frequency Response

---

20Hz - 40kHz(0/-3 dB)

---

#### Dynamic Range

---

AD : 100 dB

---

#### Phantom Power

---

48 V + or - 4 V, 8 mA per 1 channel (20 mA or less in all channels)

---

### **OTHER TERMINALS**

---

#### USB Port

---

Mini-B Type Connector

---

#### Control Sync Jack

---

Stereo Mini Type Jack

---

### **OTHERS**

---

Display

---

128 x 64 dot organic LED

---

Power Supply

---

AC adaptor (PSB-1U), AA type battery x 4 (Alkaline or NiMH)

---

Current Draw

---

1.2 A

---

**SYSTEM REQUIREMENTS**

---

Microsoft® Windows® Vista®/XP/2000, Mac OS X 10.2 or later

---

**SIZE AND WEIGHT**

---

Width

---

157 mm  
6-3/16 inches

---

Depth

---

183 mm  
7-1/4 inches

---

Height

---

61 mm  
2-7/16 inches

---

Weight

---

1.3 KG including batteries  
2 lbs 14 oz including batteries

---

\*The specifications are subject to change without notice.