ROLAND RUBIX22

SYSTEM

Number of Audio Record/Playback Channels

Record: 2 channels
Playback: 2 channels

Signal Processing

PC interface: 24 bits
AD/DA conversion: 24 bits

Sampling Frequency

AD/DA conversion: 44.1 kHz, 48 kHz, 96 kHz, 192 kHz

Interface

Hi-Speed USB
MIDI IN, OUT

Connectors

INPUT (1L, 2R) connectors: XLR type (balanced, phantom power: +48 V, 6 mA Max *1)
INPUT (1L, 2R) jacks *2: 1/4-inch TRS phone type (balanced)
PHONES jack: Stereo 1/4-inch phone type
OUTPUT (1L, 2R) jacks: 1/4-inch TRS phone type (impedance balanced)
MIDI (IN, OUT) connectors
USB port: USB Type B
DC 5V port: USB Type micro B
*1 Current value per channel.
*2 INPUT 1L supports high impedance

Controllers

SENS 1L, 2R knobs
Hi-Z switch
48V switch
OUTPUT knob
PHONES knob
POWER SOURCE switch
DIRECT MONITOR switch
GROUND LIFT switch

Indicator

Level indicators (1L, 2R)
POWER indicator
Hi-Z indicator
48V indicator

CHARACTERISTICS

Nominal Input Level

INPUT (1L, 2R) connectors (XLR type): -60-- -12 dBu
INPUT (1L, 2R) jacks (1/4-inch TRS phone type): -44--+4 dBu

Maximum Input Level

INPUT (1L, 2R) connectors (XLR type): +2 dBu
INPUT (1L, 2R) jacks (1/4-inch TRS phone type): +18 dBu

Nominal Output Level

OUTPUT (1L, 2R) jacks: -6 dBu (impedance balanced)

Maximum Output Level

OUTPUT (1L, 2R) jacks: +8 dBu (impedance balanced)

PHONES Maximum Output Power

20 mW + 20 mW (L + R, 47 ohms load)

Headroom

14 dB

Input Impedance

INPUT (1L, 2R) connectors (XLR type): 4 k ohms or greater (balanced)
INPUT (1L, 2R) jacks (1/4-inch TRS phone type): 15 k ohms or greater (balanced)
INPUT (1L) jack (1/4-inch phone type *3): 500 k ohms or greater
*3 When the Hi-Z is turned on

Output Impedance

OUTPUT (1L, 2R) jacks: 2 k ohms (balanced)
PHONES jack: 47 ohms

Residual Noise Level

INPUT (1L, 2R) --> OUTPUT (1L, 2R): -94 dBu typ. (SENS 1L, SENS 2R knobs: min., input terminated with 600 ohms, IHF-A, typ.)

Dynamic Range

AD block INPUT (1L, 2R) jacks: 104 dB typ. (SENS 1L, SENS 2R knobs: min.)
DA block OUTPUT (1L, 2R) jacks: 109 dB typ.

OTHER

Power Supply

Supplied from the computer via USB, DC 5V

Current Draw

500 mA

Operating System

Microsoft(R) Windows(R) 7, Windows(R) 8, Windows(R) 8.1, Windows(R) 10
Apple Mac OS X 10.10 or later
Apple iOS 9 or later

* Although Roland has tested numerous configurations, and has determined that on average, a computer system similar to that described above will permit normal operation of the Rubix, Roland cannot guarantee that a given computer can be used satisfactorily with the Rubix based solely on the fact that it meets the above requirements. This is because there are too many other variables that may influence the processing environment, including differences in motherboard design and the particular combination of other devices involved.

Dimensions

145 (W) x 165 (D) x 46 (H) mm
5-3/4 (W) x 6-1/2 (D) x 1-13/16 (H) inches

Weight (main unit only)

1.0 kg
2 lbs 4 oz

Accessories

Setup Guide
Leaflet "USING THE UNIT SAFELY"
USB cable
Ableton Live Lite Serial Number Card
* 0 dBu = 0.775 Vrms