

System

Number of Audio Record/Playback Channels

Record: 2 channels

Playback: 4 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, 3L, 4R) 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

THRS knob

COMP/LIMIT switch

DIRECT MONITOR knob

MONO switch

OUTPUT knob

PHONES knob

POWER SOURCE switch

LOOPBACK switch

COMP/LIMIT TYPE switch

GROUND LIFT switch

PHONES SOURCE switch

Indicator

Level indicators (1L, 2R)

Level indicator (COMP/LIMIT)

POWER indicator

Hi-Z indicator

48V indicator

COMP/LIMIT 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, 3L, 4R) jacks: -6 dBu (impedance balanced)

Maximum Output Level

OUTPUT (1L, 2R, 3L, 4R) 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, 3L, 4R) 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, 3L, 4R) 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

183 (W) x 165 (D) x 46 (H) mm

7-3/16 (W) x 6-1/2 (D) x 1-13/16 (H) inches

Weight (main unit only)

1.2 kg

2 lbs 11 oz

Accessories

Setup Guide

Leaflet "USING THE UNIT SAFELY"

USB cable

Ableton Live Lite Serial Number Card

* 0 dBu = 0.775 Vrms