LA-QXD1

FULLY-BALANCED DAC

User Manual V1.0

Jan. 2020

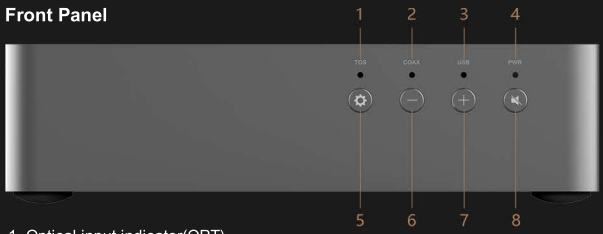
01 OVERVIEW

Welcome to LA-QXD1, a high-performance DAC developed and manufactured by SONCOZ. Let's get familiar with it.

Rear Panel

1 XLR output: 4.0Vrms @0dBFS
2 RCA output: 2.0Vrms @0dBFS
3 Coaxial input: 24-bit/192kHz
4 Coaxial output: 24-bit/192kHz
5 USB-B input: 32-bit/768kHz PCM/DSD512(Native)
6 Optical input: 24-bit/192kHz
7 Power in: USB-C

Front Panel

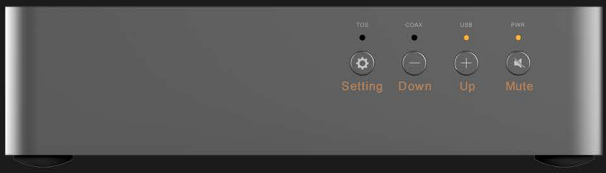


1 Optical input indicator(OPT)
2 Coaxial input indicator(COAX)
3 USB-B input indicator
4 Power/Mute(Flash) indicator
5 Audio inputs switching button
6 Volume down button
7 Volume up button
8 Mute button

02 OPERATIONS

1 Audio inputs switching

- Three audio inputs switching by press the setting button and the corresponding indicator LED will be turned on



2 Volume down and up (the default volume is -64dB)

- Short press the "-" or "+" button can adjust volume
- Long press the "-" or "+" button can adjust volume quickly
- When adjusting the volume, the corresponding input channel indicator will blink until the volume is adjusted to the maximum or minimum

3 Mute analogue output XLR/RCA

- Short press the "Mute" button LA-QXD1 will mute output and press again will quit mute
- Mute only works for analogue output and the power indicator flashes in mute mode

4 Filter modes switching

- Long press the "PWR" button and click it that will switch between the 7 kinds of filter modes
- From beginning to end:APOD/BRIC/FAM/FAL/HYER/SLM/SLL

03 SPECIFICATIONS

1 Dimensions: 149.3mm(W) x 87mm(D) x 37mm(H)

2 Weight: 475g

3 Power input: DC 5V⎓1A

4 Power consumption: <4W

5 Signal input: USB-B/Optical/Coaxial

6 Digital output: Coaxial

7 Line out: XLR/RCA

8 RCA: Coaxial input

9 Frequency response: 20Hz~20KHz(±0.15dB) XLR/RCA

10 Dynamic range: >124dB A-Weighted

11 Output voltage: 4.0Vrms XLR/2.0Vrms RCA

12 THD+N: <0.00015% @1kHz XLR/RCA

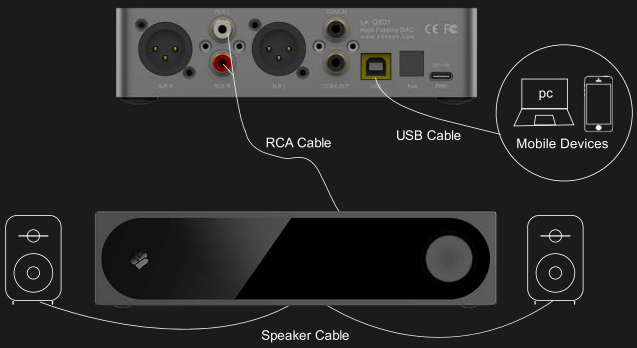
13 Crosstalk: >141dB @1kHz XLR/RCA

14 Output impedance: 200Ω XLR/100Ω RCA

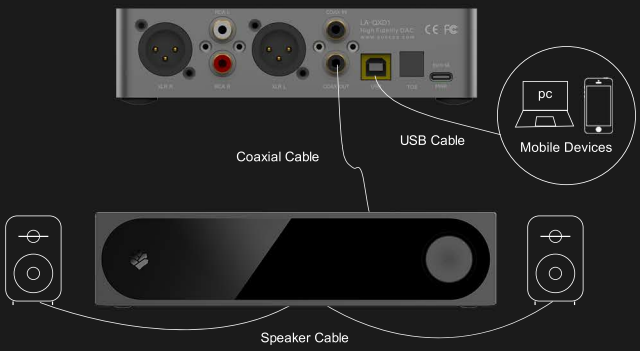
15 Noise floor modulation: <4.3 μVrms

04 TYPICAL APPLICATIONS

1 DAC application



2 Digital interface application



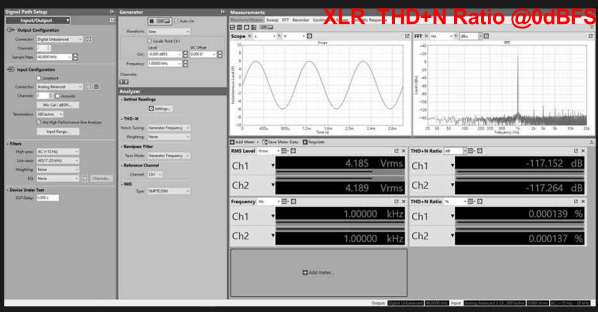
05 CONTENTS LIST

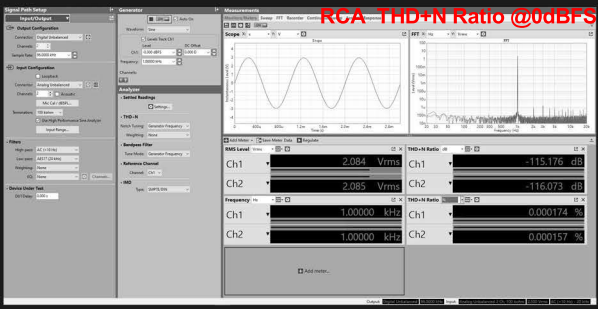
1 LA-QXD1 X 1 2 USB-B Cable X 1 3 USB-C Cable X 1

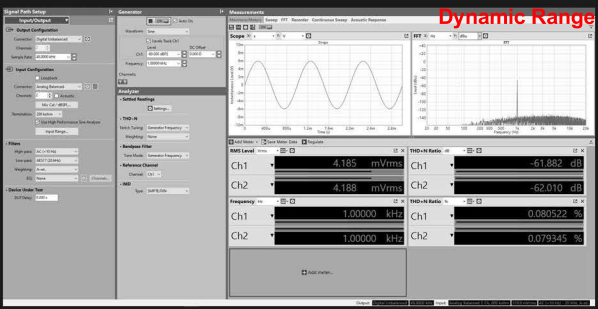
4 User's Manual (electronic ver) X 1 5 LOGO Sticker X 2

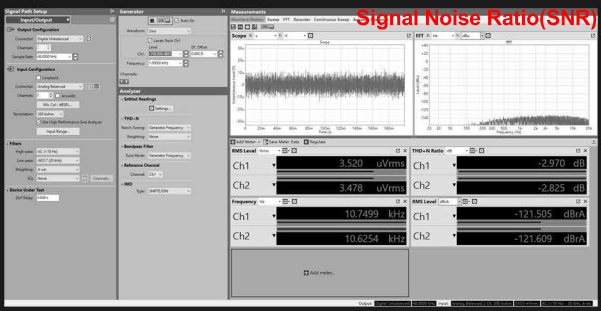
Note: You can download drivers and user's manual on http://www.soncoz.com

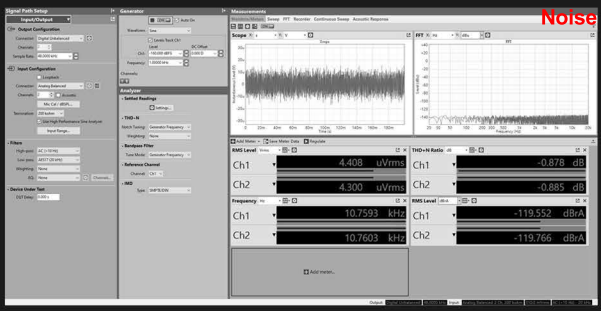
06 TEST RESULTS

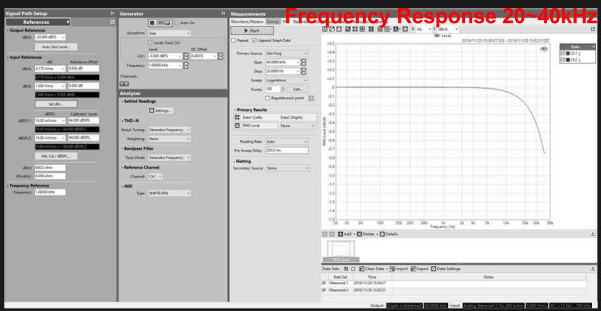


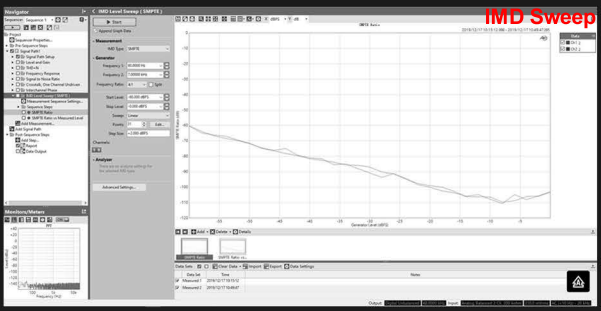





Signal Noise Ratio(SNR)


Noise


Frequency Response 20~40kHz


IMD Sweep

The Power of Original Sound

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