xDUOO

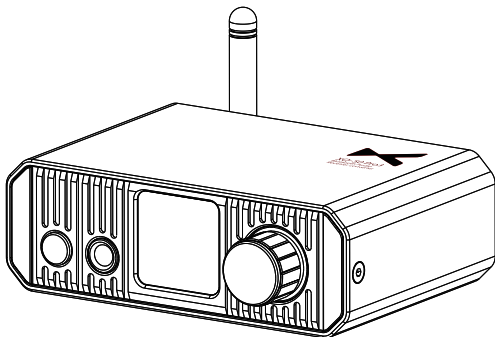## Bluetooth Converter & Headphone amplifier

About Us

For more product information,please visit our
Http://www.xduoo.com
Or scan us directly to enter the offical website

Before operating this machine, please read this manual carefully and keep it in a safe place for future reference.
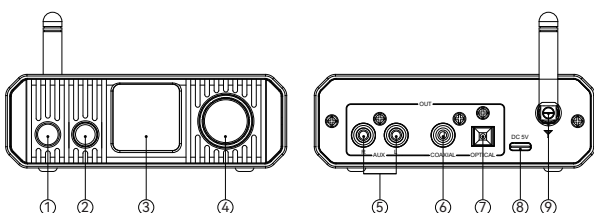
1. Product Introduction

The XQ-50 Pro3 is a high-fidelity Bluetooth DAC & headphone amplifier with a 1.3 inch color screen, Qualcomm high-performance QCC5125 Bluetooth chip, support Bluetooth 5.1, support aptX, aptX_HD, LDAC and other HD Bluetooth formats, and the advanced digital converter chip CS8406 is used to convert Bluetooth signal into high-quality optical/coaxial signal output to provide high-definition sound source for digital decoder. Using high-performance CS43131 the DAC chip, the Bluetooth signal is converted into an analog signal, which is provided to the amplifier or active speaker, so that your amplifier / speaker can be changed into wireless device. This unit is also equipped with headphone amplifier circuit, the output power reaches 360mW, it can easily drive many kinds of headphones.

2. Product Features

- Using 1.3 inch OLED color display screen;
- Adopt Qualcomm high performance QCC5125 Bluetooth chip, support Bluetooth 5.1;
- Support aptX, aptX_LL, aptX_HD and other HD Bluetooth formats;
- Adopt high performance CS8406 digital conversion chip;
- Adopt the high performance CS43131 DAC chip;
- Support for EQ tuning;
- Support PC USB DAC, and can be used immediately after it is plugged;
- Has headphone amplifier;
- High quality optical and coaxial output;
- High quality Aux output;
- Compatible with Android and IOS devices;
- The external high-gain Bluetooth antenna is used to ensure the lossless and stable signal transmission.

3.Parts and Controls

1.EQ button: short press optional MOVIE mode, GAME mode, or OFF.
2.6.35mm headphone out
3.Screen
4.Multi-function key:
  1) Press for 3 seconds to turn it on / off;
  2) Rotate to increase / decrease the volume;
  3) Press twice in a row to enter Bluetooth pairing mode, and press three times in a row to clear the Bluetooth pairing list;
  4) While the song is playing, click play / pause the song.
5.AUX OUT
6.Coaxial Output
7.Optical Output
8.Power/USB IN :
  1) Power in: TYPE_C interface, power supply specification: 5V / 1A (or above). When the machine crashes unexpectedly, unplug the power and then reconnect it;
  2) USB IN: It can be used as a USB DAC when connected to the USB port of the computer, no need to install driver.
9.Bluetooth antenna: get the Bluetooth antenna from the accessory box and screw it.

4.Parameters

1.Power Supply: DC5V1A.
2.Bluetooth version: 5.1
3.Supported Audio Format: SBC、AAC、aptX、aptX_LL、aptX_HD、LDAC.
4.Communication Range : about 10 meters.
5.Headphone Output Parameters:
- Output Power: 360mW(32ohms@1KHz);
- THD+N: 0.008%;
- SNR: 115dB;
- Crosstalk: 85dB.
6.Other output parameters:
- THD+N: Optical=0.00087%, Coaxial=0.00087%, AUX=0.002%;
- Output Level: Optical=0.5Vp-p, Coaxial=0.5Vp-p, AUX=2V.
7.Size: 10.0*12.0*4.2cm
8.Weight: 0.34kg

5.Accessories

TYPE-C cable	1PCS
Bluetooth antenna	1PCS
User Manual	1PCS
Warranty Card	1PCS
6.35 to 3.5 Converter	1PCS

6.Warranty Information

Our products can enjoy 12-month free warranty services from the date of the sale, if the warranty period is expired, our company will charge parts cost depend on the product fault conditions. Accessories are not covered under warranty.

Company's main page

WeChat public account

Company Name: xDuoo Technology Co.,LTD
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