# Introduction

DA-100 is a Bluetooth & digital power amplifier with a headphone output and speaker output. The Bluetooth module uses Qualcomm CSR8675 chip, supports LDAC, aptX_HD and other HD Bluetooth formats; DAC module uses high-performance ES9018K2M chip, with extremely low noise and distortion; the power amplifier circuit adopts high-fidelity high-power digital power chip, which can easily drive large-size speakers; the amp circuit adopts independent high-fidelity amp chip, the output can reach 2Vrms, which can easily drive all kinds of headphones.

# Features

◆ With OLED display, real-time display of song name, sampling rate, Bluetooth format, etc.;
◆ Adopt Qualcomm high-performance CSR8675 Bluetooth chip, support Bluetooth 5.0;
◆ Support aptX, aptX_LL, aptX_HD, LDAC and other high-definition audio coding formats;
◆ Using high-performance ES9018K2M DAC decoding chip;
◆ Use high-fidelity high-power digital power amplifier chip;
◆ Use independent high-fidelity headphone amplifier chip;
◆ Support PC USB DAC sound card, driver-free installation, plug and play;
◆ Adopt encoder electronic volume control to eliminate the problem of unbalanced and rotating noise;
◆ Use audio-specific Ruby capacitors as filter capacitors;
◆ The shell is made of high-strength aluminum alloy material, which has excellent shielding characteristics.

# Parameters

Power supply：DC24V;

Bluetooth Version：5.0;

Bluetooth Chip：CSR8675;

Communication Range：about 10 meters;

USB input：plug and play, up to 16bit/48khz;

Output power of the amplifier：2*50W (1KHz, 4Ω load);

Output power of headphone amplifier：2*125mW (1KHz, 32Ω load);

Frequency Response：20Hz–20KHz;

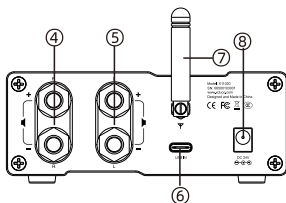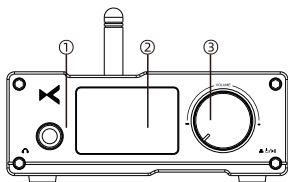THD+N of the amplifier：≤0.1%;

THD+N of headphone amplifier：0.05%;

SNR of the amplifier：102dB

SNR of headphone amplifier：110dB;

Size：19*12*5 cm；

Weight：0.7kg。

# Parts and Controls

① 6.35 headphone output；
② Screen；
③ Compound Key:
        1) Long press 3 seconds to turn on/off；
        2) Short press to play/pause (only valid for
        Bluetooth function);
        3) Turn clockwise to increase the volume;
        4) Turn counterclockwise to decrease the volume.
④ Right channel speaker terminal；
⑤ Left channel speaker terminal；
⑥ USB input: plug and play (when using USB, the Bluetooth
   connection needs to be disconnected);
⑦ Bluetooth antenna；
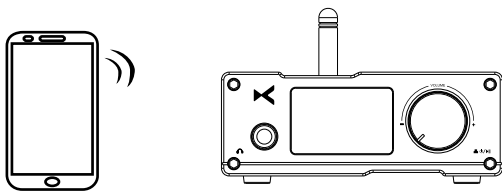⑧ DC24V power input.

# About Bluetooth Pairing and Connection

1、When the unit is turned on first time, it is in the pairing state；

2、If your mobile phone does not find this unit, or you need to forcibly disconnect the Bluetooth and reconnect, you can double-click the power button to enter the pairing state;

3、This unit can be connected to two mobile phones at the same time, but cannot play at the same time, you need to pause the current playback and then switch to another mobile phone to play;

4、After the machine is turned on, it will give priority to connect to the last connected device;

5、If the Bluetooth transmitter (mobile phone, etc.) leaves the connection distance range of the unit, it will automatically connect when it comes back within 15 minutes; if it exceeds 15 minutes, you need to search for the connection again.

6、When the Bluetooth is disconnected or restarted, when the last connected device is searched, Windows and Android devices will automatically reconnect, but Apple devices will not automatically reconnect.

# Connecting to the Audio Device

## 1、Connect to Bluetooth device

Turn on this unit, search it (the name is DA-100) through mobile phone/computer and other devices with transmitter, click connect, when the device is connected, you can play music, and connect the headphone or speaker, adjust the volume to a suitable position, you can listen to wonderful music.
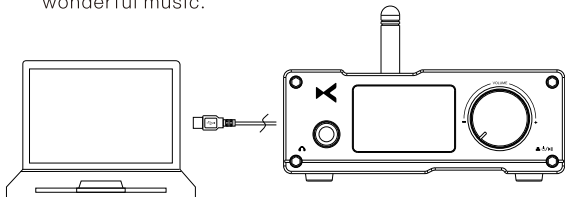


Remarks：
  1) If you need to connect to another Bluetooth device, press the FN button to forcibly disconnect the original device;
  2) Communication range: about 10 meters (note: Bluetooth connection with high-definition sound quality such as LDAC, the distance will be shortened);
  3)When the Bluetooth is disconnected or restarted, when the last connected device is searched, Windows and Android devices will automatically reconnect, but Apple devices will not automatically reconnect.

## 2、Connect to PC's USB

Turn on this unit, connect it to the USB port of the computer with a USB cable, see the xduoo audio device(DA–100) , then set the computer output to the xduoo audio output, play music, and connect the headphone or speaker, adjust the volume to a suitable position, and then you can listen to the wonderful music.

## Remarks:

Bluetooth has priority connection rights, so when connecting the USB port, you need to disconnect the Bluetooth connection, otherwise it will automatically connect back to the Bluetooth.

# Accessories

Adapter......................................................................1pc

AC Cable..................................................................1pc

Bluetooth antenna...................................................1pc

6.35 to 3.5 Connector............................................1pc

User Manual.............................................................1pc

Warranty Card.........................................................1pc

# Troubleshooting

If you run into any problems using this unit, use the following checklist and read the product support information on user's manual. Should any problem persist, consult your nearest xDuoo dealer or consult us.

## Protect:

This unit has a fault detection function. When the machine fails, the display will show "Protect". At this time, you need to shut down and restart the machine. If the display still show "Protect" after turning on the machine, please shut it down immediately and send it to your local dealer. Carry out inspection and maintenance.

## The unit does not turn on:

Please check whether the LED of the power adapter is on and the power plug is firmly connected to this unit.

## No sound:

1) Please check if the Bluetooth device has started to play music.
2) Please check if the volume of the player is turned on.
3) Please check if the speakers/headphones connected to this unit are connected correctly.

# 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.