

aune

Flamingo-BT Tube DAC

User Manual

# Preface

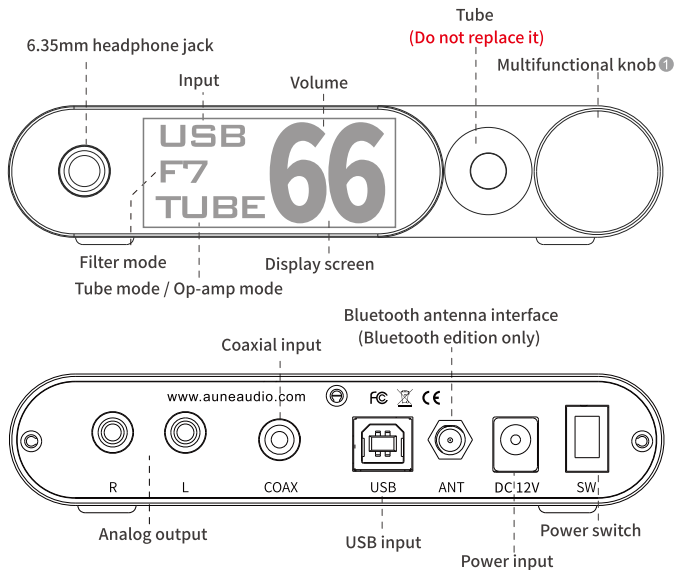
Dear Customers:

Thanks for purchasing the aune Flamingo and congratulations on choosing this high-quality tube DAC.

We sincerely hope the Flamingo will bring you excellent Hi-Fi experience.

Please read this manual carefully before using the device.

# Flamingo at a Glance



## ① Press:

One short press: change input

Double press: switch between tube mode and op-amp mode

Long press: go to filter mode menu

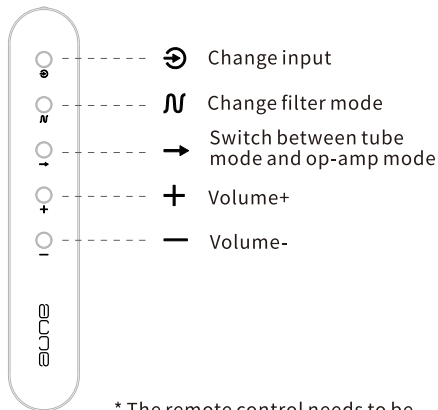
## Turn:

Clockwise:

volume+ / filter mode menu: down

Counterclockwise:

volume- / filter mode menu: up



\* The remote control needs to be purchased separately

# Introduction

The Flamingo is the 5th gen of the aune T1 tube DAC series. USB supports up to 32bit/768k and DSD512. The Bluetooth edition supports aptX HD and LDAC. It uses the ES9038Q2M DAC chip, the 5th gen OP+BUF amp module and the carefully selected tube.

# Specifications

## USB Input:

Maximum bit depth: 32bit

Maximum sampling rate: 768k

Maximum DSD rate: DSD512

## Coaxial Input:

Maximum bit depth: 24bit

Maximum sampling rate: 384k

Maximum DSD rate: DoP128

## RCA Line Output:

Output level @0dB OPA: 2 VrmsMAX

TUBE: 1.9VrmsMAX @0dBFS

Frequency response (20Hz~20kHz) OPA:  $\pm 0.02\text{dB}$

TUBE:  $\pm 0.6\text{dB}$

THD+N @1kHz OPA: 0.0003% @0dBFS Typ

TUBE: 0.02% @ -17dBFS Typ

Noise floor OPA: 4 $\mu\text{V}$

TUBE: 20 $\mu\text{V}$  @AES17(20kHz)

## Headphone Output:

Maximum undistorted power: 45mW @ 300 $\Omega$  0.05%

THD+N @1kHz OPA: 0.0005%

TUBE: 0.035%

Bluetooth (Bluetooth edition only) : 24bit/96k Maximum

Dimensions: 135mm x 103mm x 26.8mm

Weight: 1kg

Accessories: power cord, USB cable, Bluetooth antenna (Bluetooth edition only), 6.35mm to 3.5mm adapter, quick start guide, USB Type B (M) to Type C (F) adapter

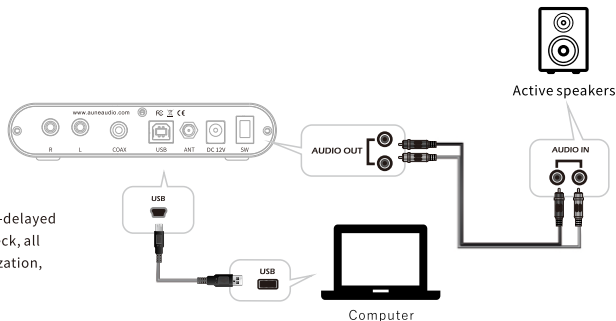
# Operations

## Via USB

1. Use the USB cable in the box to connect the Flamingo to a computer.  
(For a smartphone or a portable music player, the cable is different)
2. Press the knob on the front panel to make the screen display USB.  
(When the signals are detected, USB will stop blinking)
3. Install aune's customized XMOS driver on the computer.  
(A smartphone or a portable music player can skip this step)
4. Play music on the computer.
5. Option A: plug a pair of headphones into the headphone jack on the front panel.  
Option B: Connect an amplifier or a pair of active speakers to the Flamingo's variable RCA line output.

⚠ The Flamingo has this special 3-second-delayed startup setting. During the system self-check, all operations will be invalid. After the stabilization, operations will be valid.

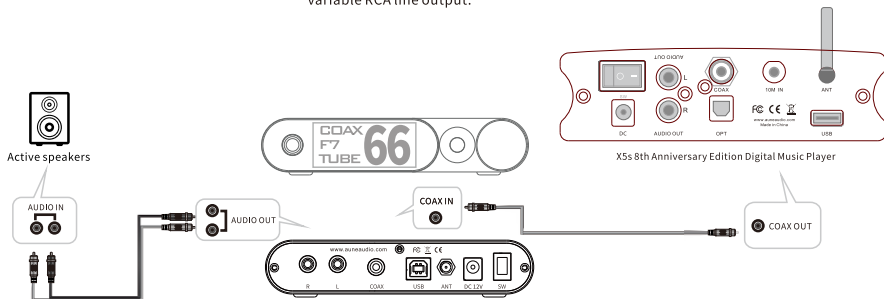
The tube can be hot when the device is working. Do not touch it.



# Operations

## Via Coaxial

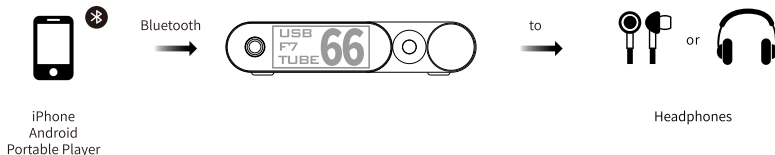
1. Use a coaxial cable to connect the Flamingo to a digital transport/player (eg. the aune X5s).
2. Press the knob on the front panel to make the screen display COAX (When the signals are detected, COAX will stop blinking)
3. Play music on the digital transport/player.
4. Option A: plug a pair of headphones into the headphone jack on the front panel.  
Option B: Connect an amplifier or a pair of active speakers to the Flamingo's variable RCA line output.



# Operations

## Via Bluetooth (Bluetooth edition only)

1. Search for device “aune Flamingo” on a Bluetooth transmitter device (smartphone, computer, etc.)
2. Press the knob on the front panel to make the screen display BT (When the signals are detected, BT will stop blinking)
3. Play music on the connected device.
4. Option A: plug a pair of headphones into the headphone jack on the front panel.  
Option B: Connect an amplifier or a pair of active speakers to the Flamingo’s variable RCA line output





## FCC Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
  - Increase the separation between the equipment and receiver.
  - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
  - Consult the dealer or an experienced radio/TV technician for help
- This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body

aune

aune | 430000 WUHAN | CHINA

Email: [sales@auneaudio.com](mailto:sales@auneaudio.com) | Fax: +86 027 85840435 | [www.auneaudio.com](http://www.auneaudio.com)