



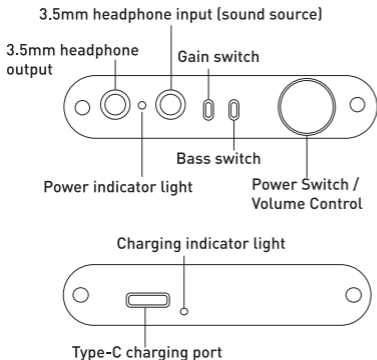
**Fosi Audio**

# **N2 Headphone Amplifier User's Guide**



**N2**

## Product Overview



## Product Specifications

The N2 headphone amplifier features a switch for adjusting gain as well as another switch to fine-tune bass levels. The switch for high and low gain ensures that you can use the N2 with a wide variety of headphones, and that your listening volume needs are covered. The Bass switch gives them some extra punch to meet the needs of bass lovers. The all-aluminum silver body has been carefully designed and CNC processed to make it compact and classic.

### Audio input:

3.5mm headphone port

### Charging port:

Type-C

### Power supply:

DC 5V 1A

### Op amp:

OPA1642

### Headphone output:

3.5mm headphone port

### Volume adjustment mode:

High precision volume knob

### Internal voltage:

$\pm 9.5V$

### Current amp:

1W triode to tube

**Battery capacity:**

2200mAh

**Magnification (Av):**

GAIN=L:3 GAIN=H:6.8

**Frequency response:**

10Hz-25KHz

**THD+N:**

0.005%

**Headphone output power:**

16ohm/330mW 32ohm/320mW  
64ohm/298mW 300ohm/100mW

**Product weight:**

126g

**Battery Life:**

about 12h

**Low-frequency gain (BASS=ON):**

+6dB

**SNR:**

> 100dB

**Headphone output impedance:**

16ohm-600ohm

**Dimensions:**

4.17 x 2.64 x 0.55 inches  
(106 x 67 x 14mm)

## Package Contents

Fosi Audio N2 x1

User manual x1

Type-C power cable x1

3.5mm to 3.5mm cable x1

## Quick Setup

How to use?

**Step 1:** Connect your mobile phone, PC, or other audio source device to N2 (3.5mm audio input).

**Step 2:** Turn the Power Switch knob slightly to the right to turn on the power.

**Note:** The blue power indicator indicates sufficient power.

**Low battery warning:** The blue indicator light will turn red.

**Step 3:** Connect your headset or headphone to N2 by 3.5mm headphone jack, adjust the volume control, then enjoy it!

## Q&A/ Troubleshooting

### 1.Can it be used while charging?

- It is not recommended to use while charging, because current disturbance occurred when charging may lead to noise.

### 2.How long can the N2 play?

- N2 equips with 2200 mAh battery supports 12-hour playtime.