

model404 A/S

Full Balanced Portable Headphone Amplifier User's Manual

HOW TO USE

<Battery Loading>

Slide open the latter half of the body and load 6 (six) AAA batteries.

Please set the polarity of the batteries right carefully.

The circuit in the amplifier may be broken by the wrongly placed batteries.

<Battery Replacing>

Please replace the batteries with new ones when the Power Indicator turns red.

Though you may use the amplifier for a while after the indicator turns red, replacing batteries immediately is recommended.

The Power Indicator will turn red as the voltage goes down below 6.5V.

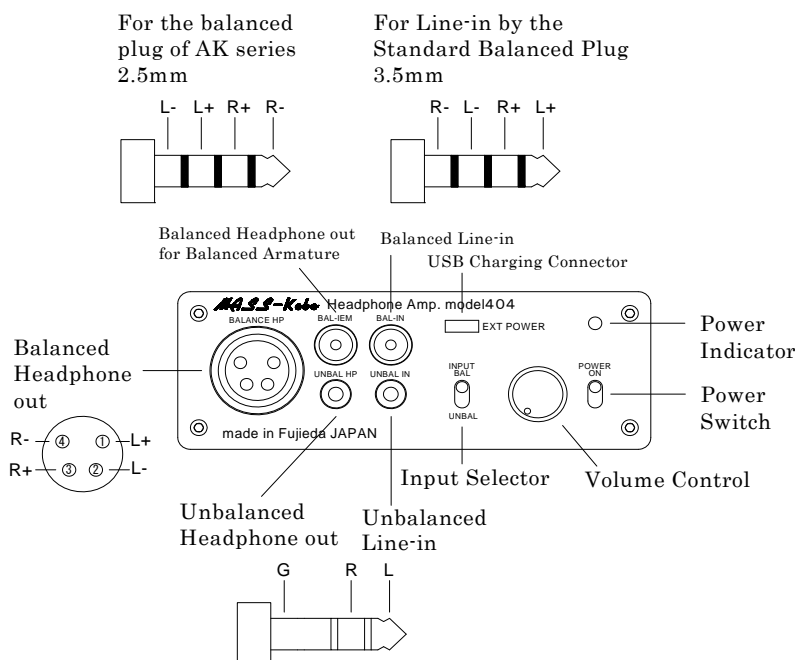
<Power by USB>

You can use the amplifier by the power provided by USB.

Use any USB charger or mobile battery that can provide more than 1A.

Use thicker USB cables; the voltage may be not enough with thinner cables.

The Power Indicator will turn red as the voltage goes down below 4.6V in this case.



WARNINGS

1. Do not dismantle or break down the amplifier.

The amplifier may be broken, or you could be injured or even killed by the electricity.

2. Do not drop the amplifier, or hit it hard.

3. Do not use with the wrong batteries.

4. The amplifier may be broken by reversal effect caused by overdischarge, if you should try to use rechargeable batteries to the last moments.

Please recharge or replace them immediately as the Power Indicator turns red.

5. Handle the plugs gently.

They may be broken if you should push or pull them forcibly.

6. Be careful to connect rightly with the input or output ports.

The music reproducing hardware connected with the output port may be broken by wrong connections.

7. You will hear induction noise when you use the amplifier with the combination of balanced input and unbalanced output.

Use the balanced output when you use the balanced input.

8. Do NOT connect headphones/earphones each with the balanced and unbalanced outputs at the same time.

WARRANTY

1. We warrants this amplifier against defects in materials and workmanship under normal use for a period of ONE (1) YEAR from the date of purchase. We will repair the defects at no charge.

Please send the User's Registration Card to us as soon as possible.

You would have to pay for the repair(s), if the card should not be sent beforehand.

2. We do not warrant against the damages caused by accident, abuse, misuse, flood, fire, earthquake or other external causes, or by operating the amplifier outside the permitted or intended uses. We may repair the amplifier damaged by them at the purchaser's cost.

3. We reserve our rights to refuse to repair the amplifier that lost the original form, or damaged too much.

Specifications (Batt. 9V or USB 5V)

Model : Full Balance Portable Stereo headphone amp

Input : ϕ 3.5 TRS x 1(Unbalance) , ϕ 2.5(404A) or ϕ 3.5(404S) TRRS x 1(Balance)

Output : ϕ 3.5 TRS x 1 (Unbalance for Dinamic HP) ,

ϕ 2.5(404A) or ϕ 3.5(404S) TRRS x 1(Balance for Balanced Armature IEM)

XLR4 x 1(Balance for Dinamic HP)

Maximum Input Level : +16dBm(Balance) , +10dBm(Unbalance)

Maximum Output Level

(P-P) :7 V(Balance) , 3.5V(Unbalance) (with 32 Ω loaded, 1kHz, THD+N 0.5%)

(RMS):2.3V(Balance) , 1.2 V(Unbalance) (with 32 Ω loaded, 1kHz, THD+N 0.5%)

Maximum Output without Distortion

165mW(Balance) , 45mW(Unbalance) (with 32 Ω load, 1kHz, THD+N 0.5%)

Frequency Characteristics : 20Hz - 20kHz (-1dB)

Noise Level : Less than 40 μ V (in the minimum volume position, 32 Ω loaded)

Less than 150 μ V (in the maximum volume position, 32 Ω loaded)

Power Supply : Battery : AA Alkaline or Rechargeable Battery x 6

External Power Supply : Micro USB +5v

Consumption Current : 0.13A(Battery 9V , No signal)

0.14A(Recharger Battery , 7.2V No Signal)

0.21A(USB 5V , No Signal)

0.27A(Battery 9V , Maximum Output)

0.33A(Recharger Battery , 7.2V , Maximum Output)

0.7A(USB 5V , Maximum Output)

Size : 113mmW x 155mmD x 40mmH

Weight : 650g (with Battery) , 515g(without Battery)

as of 2016-05-16

We reserve the rights to change the specification or price without notice.

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