## SPECIFICATION

| | |
|---|---|
| Bass boost | 4dB |
| Output power | 120mW x2 (16Ω Load) |
| | 13mW x2 (300Ω Load) |
| Headphone impedance | 16Ω ~ 300Ω |
| Signal to noise ratio | ≥97dB |
| Frequency response | 10Hz ~ 100KHz |
| Battery life | 4 hours |
| Weight | 18g |
| Size | 57(L) x 27.6(W) x 9.10mm(D) |

## ACCESSORIES


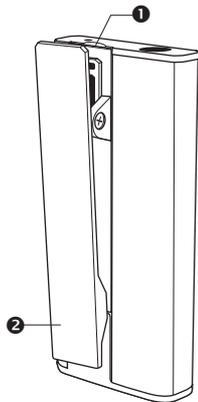Audio cable


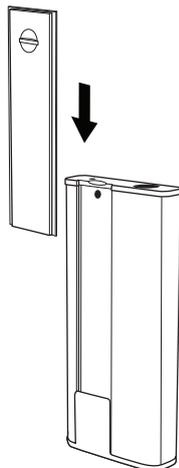USB cable (For battery charge only)
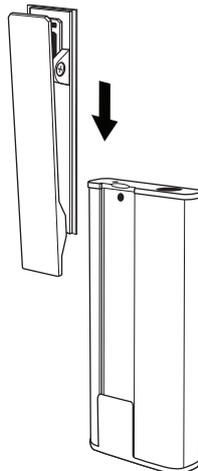

Clip cover


Owner's guide

## Release the clip or cover
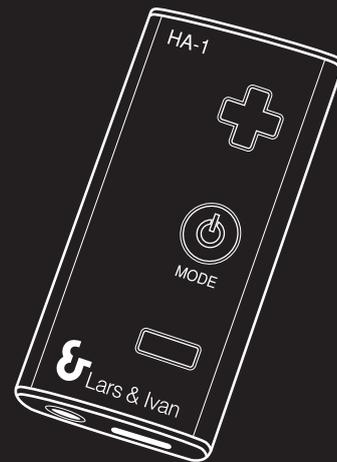
Push ❶ and ❷



Clip Cover

Clip



## Lars & Ivan

### HA-1
Mini Headamp with Bass Boost
USER MANUAL

# FEATURES & OPERATING

## Preparation
Charge up unit before use. Connect USB cable to charge up unit at least 2 hours if battery low. Connect audio cable to your device and HA-1 input ❺. Connect your headphone to HA-1 ❷.

## Power On
Press and hold power button ❸ for 2 seconds to turn on unit, the power indicator ❶ will turn to Red color.
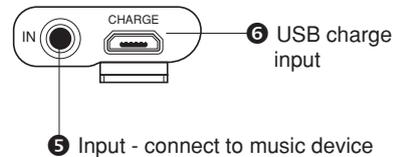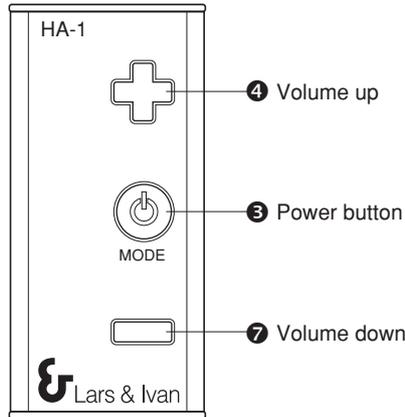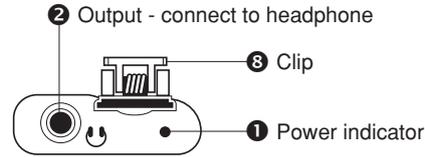Another press and hold for 2 seconds will turn unit OFF.

(1) When the unit can't switch on, recharging is needed.
(2) Suggest to recharge the unit after 4 hours continuous usage, if you are not using your headamp often, be sure to complete a full charge cycle at least every three months.
(3) LED will flash when there is battery low condition. It is advised to recharge the HA-1 immediately.

## Select Mode
You can select different vocal mode by a short press at power button ❸ when unit is operating. Blue LED indicator is bass boost mode, Red LED indicator is normal mode.

## Adjust Volume
You can adjust the volume output by a press on "+" ❹ or "-" ❼ button. Press and hold the volume button will change volume continuously.

❷ Output - connect to headphone

❽ Clip

❶ Power indicator

HA-1

❹ Volume up

❸ Power button

MODE

❼ Volume down

Lars & Ivan

IN    CHARGE

❻ USB charge input

❺ Input - connect to music device

## Remarks
The volume and vocal mode you selected will be memorized by HA-1 even unit is power OFF. Next time when you power up the unit, the last settings will be restored.
There is a clip ❽ on HA-1 that you can clip on your bag or clothes to free your hand. HA-1 is a sophisticated device for smart phones, if you are using other music device that cannot match HA-1 due to different wiring configuration. You need to insert a conversion cable between HA-1 and to your music device and headphone. The reason is due to different pin configuration among models. ( Conversion cables need to be purchased separately )

Lars & Ivan
www.lars-ivan.com

Li-ion    CE    RoHS

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