



AK PA10

**Astell&Kern**

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**INSTRUCTION BOOK**



# CONTENTS

## Getting Started \_01

Package Contents	02
Product Overview	03
Connections	05
Powering the Device On/Off	06

## Using the Device \_02

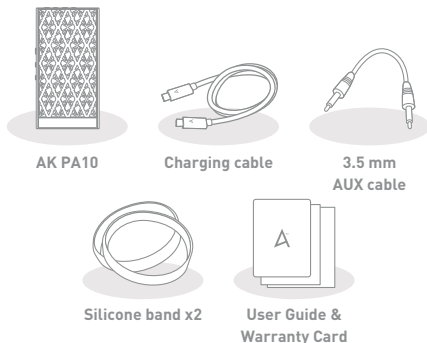
Basic Operations	07
Charging	08

## Miscellaneous \_03

Troubleshooting	09
Safety Pre-Cautions	09
Copyright	12
Certifications	12
Disclaimers	13

## Package Contents

Contents may be changed without prior notice to improve the performance or quality of the product.



**Charging cable** : Used to charge the product.

(Charging only, no data transfer)

**3.5 mm AUX cable** : Connects the source device to AK PA10.

**Silicone band x2** : Secures the source device and AK PA10.

**Warranty Card** : Provides warranty details for your device.

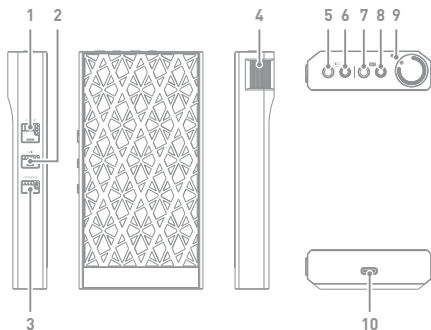
Maintain a copy of this card as it may be required for future technical support requests.

**User Guide** : The User Guide can be downloaded from the Astell&Kern website.

[<http://www.astellnkern.com> > Support > Download]

## Product Overview

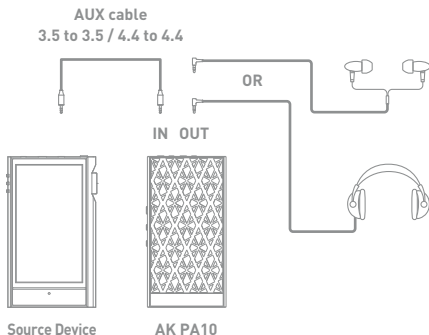
The appearance of the product, as well as the printed and engraved information, may vary depending on the model.



- 1 Current(H/M/L) :** Adjust the Class A Amp current level to three levels.
- 2 Gain(H/L) :** Adjust the output level to two levels.
- 3 Crossfeed(On/Off) :** Turn the Crossfeed function On/Off.
- 4 Power / Volume Wheel Key :** Turn the wheel clockwise to turn on the product and increase the volume.  
Turn the wheel counterclockwise to reduce the volume and turn off the power.
- 5 4.4 mm Balanced Audio Input :** Connects the 4.4 mm balanced cable connected to the source device to the port to receive analog input.

- 6 3.5 mm Unbalanced Audio Input :** Connects the 3.5 mm unbalanced cable connected to the source device to the port to receive analog input.
- 7 4.4 mm Balanced Phone Out :** For audio output, connect earphones or headphones that utilize a 4.4mm jack.
- 8 3.5 mm Unbalanced Phone Out :** For audio output, connect earphones or headphones that utilize a 3.5mm jack.
- 9 LED Indicator :** Displays the product's ON/OFF status and battery capacity.
  - 100~70% - White
  - 70~30% - Yellow
  - 30~1% - RedIndicates the charging status while charging.
  - Charging - Blinking Blue
  - Charging Completed - Solid Blue
- 10 Charging Port (USB C-Type) :** For charging the product's battery.

## Connections



- Connect the output port of the source device and the input port of the AK PA10 with an AUX cable [4.4 to 4.4 / 3.5 to 3.5].
  - ※ The 4.4 mm AUX cable is not included in the product.
  - A 4.4 mm AUX cable must be purchased separately to use 4.4 mm earphones/headphones.
- Connect earphones or headphones to the output port [OUT] of the AK PA10 to which the source device is connected.
- Output is possible only with earphones or headphones that have the same specifications as the input port.
  - ※ When input through the [4.4 mm Balanced Audio Input] port, output only through the [4.4 mm Balanced Phone Out] port
  - ※ When input through the [3.5 mm Unbalanced Audio Input] port, output only through the [3.5 mm Unbalanced Phone Out] port

**!** Connecting the product while wearing earphones/headphones may seriously damage your hearing. Make sure to turn the product's power OFF before connecting the source device and earphones/headphones. Make sure to check the volume first before wearing earphones/headphones. Make sure that the input and output devices are securely connected to the correct ports.  
Input Max. Level: Unbal. 2Vrms / Bal. 4Vrms

## Powering the Device On/Off

- Turn the product's wheel key clockwise until it clicks to turn the power ON.
- When powered on, the status LED turns on after booting (blinking white LED). The status indicator LED shows the current battery status.
  - ※ 100~70% - White | 70~30% - Yellow | 30~1% - Red
- Turning the wheel key all the way counterclockwise until you hear a click turns the LED and power OFF.

**!** When powered on, music is played after booting (blinking white LED), so please turn up the volume after the white LED stops blinking. Simultaneously increasing the volume as soon as the power is turned on may cause serious hearing damage. The power turns off automatically when the product remains in a non-operational state (cable disconnected) for a certain period. Turn the product off and on to resume operation.

## Basic Operations

### Control Volume

Turning the wheel key clockwise increases the volume, and turning it counterclockwise decreases the volume.



### CURRENT

Adjusts the Class A Amp current level. (3-way switch)

[Low] Default / [Mid] +50mA / [High] +100mA



Low



Mid



High

### GAIN

Adjusts the AMP output level (2-way switch)

[Low] Unbalanced 2.1Vrms /

Balanced 4.2Vrms (Condition No Load)

[High] Unbalanced 3.1Vrms /

Balanced 6.2Vrms (Condition No Load)



Low



High

### CROSSFEED

Crossfeed function ON/OFF. (2-way switch)  
○ (Off) / ● (On)

※ Due to the nature of the Crossfeed function, some white noise may occur, but there is no problem when playing music.



Off



On

## Charging

- When the status LED turns red, please charge the battery. (Red LED - Battery 30% or less)
- The status indicator LED blinks blue during charging. When charging is complete, the blue LED stays ON.
- Charging Time:  
About 3 hours for fast charging  
(Fully discharged, power OFF, 9 V 1.67 A adapter)  
Maximum 4 hours for normal charging  
(Fully discharged, power OFF, 5 V 2 A adapter)
- Charge with the included charging cable.  
(The charger is not included.)
- The included charging cable is for charging only and cannot transmit data.
- Recommended charger specifications:  
DC 9 V 1.67 A | 5 V 2 A
- Playback time is up to 12 hours based on a 3.5mm unbalanced connection.  
※ Playback time may vary depending on the usage environment and operating specifications.
- If the product is discharged, charge it for at least 1 hour before use.

## Troubleshooting

### Common issues and solutions

1. The device won't turn on.
  - The battery may need to be recharged. Charge the device for at least one hour and try again.
2. There is no sound or there is static/interference.
  - Check that the volume setting is above [0].
  - Check that the earphones are plugged in properly and make sure nothing is obstructing the port connection.
  - It is output only to the output port of the same specifications as the input port. If the specifications of the input and output ports are different, output cannot be made.
  - Make sure that the output and volume of the connected input device (source device) are normal.
  - Make sure that the AUX cable is not defective.

### Safety Pre-Cautions

- When a plug is inserted into the unbalanced, balanced, or USB port, do not apply any force or impact to the plug.
- Do not insert any metal objects (coins, hairpins, etc.) or flammable debris into the device.
- Do not put heavy objects on the device.

- If the device gets wet (rain, water, chemicals, medicine, cosmetics, sweat, moisture, etc.), allow the device to dry thoroughly before powering on. (Damage may not be repairable, however if deemed repairable, any damage due to liquid exposure will be repaired for an additional fee even if the device is under warranty.)
- Avoid exposing the device to direct sunlight or extreme temperatures (0°C - +40°C) such as the inside of a car during the summer.
- Do not store or use in hot and humid places such as saunas.
- Avoid places with excessive dust or smoke.
- Do not use for extended periods on blankets, electric blankets, or carpet.
- Do not place near a fire or in a microwave.
- Never disassemble, repair, or alter the product.
- Do not store for extended periods in a confined space with the power on.
- Do not place the device near magnetic objects (magnets, televisions, monitors, speakers, etc.).
- Do not let chemicals or detergents come in contact with the product since they may damage the surface and paint.
- Do not drop or expose the product to strong impacts (places where there is strong vibration, etc.).
- Do not insert any foreign objects into the device ports.
- The device may become warm while playing and charging, so handle it carefully.
- Product's corners may be sharp, so handle carefully.
- Do not use earphones/headphones or use the device while operating any type of vehicle. It is not only dangerous, but may be a violation of the law in certain regions.

- Do not use the product during physical activities (driving, walking, hiking, etc.).
- Always use in a safe environment to avoid the risk of an accident.
- When using the device while moving, make sure the area is free of obstacles.
- Avoid using the device during thunderstorms to reduce the possibility of electric shock.
- If there is a ringing in the ears, reduce the volume or stop using the device.
- Do not listen to music at excessive volumes for extended periods.
- Do not use earphones/headphones at excessive volumes.
- Make sure that the headphone/earphone does not get stuck in another object or get caught between other objects.
- Do not sleep with earphones in your ears or leave them in for extended periods.

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## Certifications

KC / FCC / CE / UKCA / CCC

Class B Device [Communication equipment for residential use]:

This is a Class B Device and is registered for EMC requirements for residential use. This device can be used in residential areas and all other areas.



### FCC ID: QDMPAS11

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.

**FCC Caution:** Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.