

AK10

Astell&Kern

INSTRUCTION BOOK  
INSTRUCTION MANUAL

river

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**Components** Components may be changed without a previous notice to improve the performance or quality of the product



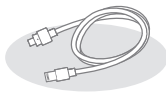
**AK10**



**Quick Start Guide & Warranty Card**



**AK10  
USB cable**



**AK10  
Lightning cable**

### **Quick Start Guide:**

This information describes the basic method of using the product.

**Warranty Card:** The WARRANTY CARD is necessary when applying for warranty work (A/S) so keep it in a safe place.

### **AK10 USB cable:**

Connect product to a computer and charge the battery.

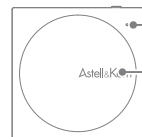
### **AK10 Lightning cable:**

Connect product to iPhone 5/iPod Touch 5.

## Names of parts



**Power /lock  
Earphone terminal**



**AK10 USB terminal**

**Charging LED**



**Status  
LED**

**Volume**



**Previous  
music**

**Play/Pause**

**Next music**

**Next music**

**Earphone terminal:** Connect the earphone /speaker and output sound.

### **Power / lock:**

Push the power key in the [ ⏻ ] direction to turn the product on. Push and hold the power key in the [ ⏻ ] direction to turn it off. Push the power key in the [ 🔒 ] direction to set up the lock function.

**Status LED:** Displays the product's name.

**Volume:** Turn wheel to adjust volume.

**Previous music:** Play previous music.

**Play/Pause:** Play/Pause

**Next music:** Play next music.

## Power supply management

**AK10 USB terminal:** Connect to computer iPhone/iPod.

**Charging LED:** Displays product's charging status.

### Turn on/off

1. Push power key in the [⊙] direction to turn product on. Push and hold power key in the [⊙] direction to turn it off.

### Using hold function

1. Push power key in the [🔒] direction to set up lock function.
2. Push power key in the opposite direction to cancel lock function.

### Using reset function

1. If product stops operating and keys become inoperable, push and hold power key in the [⊙] direction for 7 seconds to reset product.

**!** Do not use the reset function while the product is in use. Doing so may seriously damage the product's memory.

## Status LED

Product status	LED color	LED status
Turned on	Blue	LED will remain on for 5 seconds after the product is turned on, and then go off.
Maximum volume	Red	LED is activated when maximum volume has been reached.
Minimum volume	Blue	LED is activated when minimum volume has been reached.
+ adjust the volume.	Red	LED blinks while adjusting volume with +.
- adjust the volume.	Blue	LED blinks while adjusting volume with -.
Battery low	Purple	LED is activated when battery is low.
Firmware update	Purple	LED is activated during firmware update.

**!** When disconnected, product's blue LED will blink for one minute and then turn off.

### Charging

1. Turn on the computer.
2. Using a AK10 USB cable to connect the product to the computer automatically recharges the built-in battery.

**!** Use only the AK10 USB cable provided with the product to ensure safe operation. Check that it is connected to a high-power USB 2.0 port. Connecting to a low-power USB port (some keyboards, USB hubs without their own power supply, etc.), may prevent normal charging. Once the computer goes into standby mode, the iriver device may not be charged. The charging time is about 3 hours and 30 minutes. (Fully discharged) Charge the product while it is turned off. When charging during operation, the full charge display may not be shown. Using the product during charging may require additional time for a full charge or the battery may not fully recharge. Charge and keep the product at room temperature. Exposure to excessive heat or cold may adversely affect charging performance. Battery performance may decline with age and number of recharges.

### Charging LED

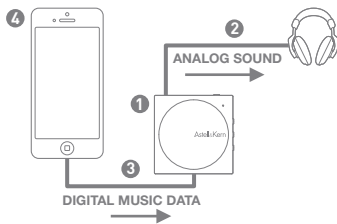
Product status	LED color	LED status
Disconnect USB	Green	LED is off when USB is disconnected.
Charging	Green	LED blinks intermittently while product is charging.
Charging complete	Green	LED remains on once charging is complete.

### Connect to iPhone/iPod and listen to music

Connect AK10 to iPhone/iPod to enjoy high-quality sound.

#### How to use it with iPhone/iPod

1. Turn on computer.
2. Connect earphone or speaker to product's earphone terminal.
3. Use AK10 Lightning cable to connect product to iPhone/iPod.
4. AK10 delivers high-quality audio from iPhone/iPod. Listen to high-quality audio through AK10.



### Using USB DAC function

USB DAC function allows the AK10 to be recognized as a PC's sound card, so you can listen to audio from a PC through AK10's earphone terminal.

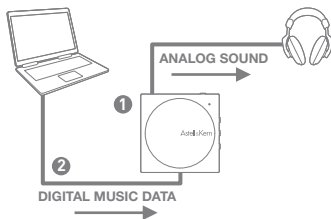
#### How to use it on PC (USB DAC)

1. Turn on product and computer.
2. When using AK10 USB cable to connect product to computer, the device's driver will be automatically installed. (If driver is not automatically installed, have device manager automatically search for and install driver.
3. Depending on operating system, change default device to output sound as follows:
  - XP: Change default device to [AK10 USB DAC] in [Control panel-sound and audio device]
  - Vista/7/8: Select [AK10 USB DAC] in [Control panel-sound and audio device], and right-click mouse to select [set as default device]

! To play high-quality audio, double-click [AK10 USB DAC] in [Control panel-sound and audio device] in Windows Vista/7/8, and change [advanced-default format] to [24Bit, 96000Hz].

- Macintosh OS X: Select [Output] tab in [Sound menu] below system default setting, and select [AK10 USB DAC].

! Complete this step only when AK10 is first connected to PC with USB DAC. It will be automatically recognized as a default device afterwards.



### USB DAC Specifications

1. USB DAC function can be used only in these operating systems.
  - Windows XP, Vista/7/8 (32/64Bit),  
MAC OS X 10.7.5 and up
2. USB DAC function supports 16Bit 44.1~96kHz, 24Bit 44.1~96kHz.
3. Use volume wheel to adjust volume outputted through AK10.

! The 64Bit operating system does not support USB DAC function through USB 3.0 port. Use the USB 2.0 port. Played sound may be distorted when using a frequently used USB or when PC operates slowly. Video and sound may not sync properly depending on original sound, output quality, and use environment. Volume cannot be adjusted with Windows' default volume but can be adjusted with volume wheel or other available program.

## Listening to music

- Turn [volume wheel] to adjust volume.
- Press product's [⏸] key during playback to pause. Press again to restart.
- Press [⏮ / ⏭] during playback to play previous/next music.

! Depending on PC application, volume and key may not function normally.

### Safety

#### Related to the iriver device

- Failure to change the screen image may result in permanent discoloration.
- Do not put or drop metals or flammable foreign materials on the iriver device (coins, hairpins, matches, lighter fluid.).
- Do not put heavy objects on the iriver device.
- If the iriver device gets wet (beverages, medicines, sweat), DO NOT turn it on. Wipe dry with a soft cloth and take it to the nearest iriver service center. (Problems resulting from exposure to moisture will be repaired for a fee regardless of the warranty period, and in some instances, may not be repairable.)
- Do not expose the product to dusty or moist environments.
- Do not attempt to disassemble, repair or alter the iriver device.
- Avoid exposure to direct sunlight or temperatures exceeding  $-5^{\circ}\text{C} \sim 40^{\circ}\text{C}$ .
- Do not keep the iriver device next to magnets, TVs, monitors or speakers.
- Do not expose the iriver device to chemicals or detergents, which may damage the surface.
- Do not drop the iriver device or expose it to strong impacts or vibrations.
- Do not press two or more keys simultaneously.
- Do not remove the AK10 USB cable while sending data.

- When connecting the AK10 USB cable, use the USB port on the back of the PC. Some PC USB ports may be damaged during assembly.
- Never connect anything other than earphones to the earphone connection terminal.
- Defective screen protection film or stickers attached to the screen may dim the image.

#### Other

- Do not use the headphone/earphone or operate the product while driving a bicycle, automobile or motorcycle. It not only is dangerous, but also violates the law in some regions.
- Do not use the product while driving, walking or hiking.
- To avoid accidents, only use the iriver device in a safe place.
- When using this product while moving, avoid nearby obstacles.
- Do not use the iriver device during thunderstorms.
- Use the lowest volume setting that is comfortable.
- Prolonged exposure to high volume may damage hearing.
- Do not use the headphone/earphone at a high volume.
- Make sure that the headphone/earphone does not get stuck in another object or get caught between other objects.
- Do not fall asleep while using the earphone.



### Problem Solving

#### Please check!

1. It cannot be turned on.
  - Check the battery power level.
  - Use the AK10 USB cable for charging and recharge.
2. It is not charged even when the iriver device is connected to the computer with the AK10 USB cable.
  - Check that the AK10 USB cable is properly connected
3. An error occurs on the PC when the AK10 USB is connected.
  - Check that the AK10 USB cable is properly connected.
4. There is no sound or there is static.
  - Check that the volume is set to [0].
  - Check that the earphone terminal is well connected and remove foreign material from the terminal.
  - Check the music file.
5. I cannot connect it to the computer.
  - Connect the iriver device to the USB port on the back of the computer. Connect the iriver device to the USB port on the back of the computer. Differences may occur in the output voltage of USB ports.

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### Certification

KCC / FCC / CE

Class B device (broadcasting and communication equipment for homes): This device is EMC equipment for homes (class B). It can be used in all regions.

## User Guide

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**Registered trademarks** Windows 2000, Windows XP, Windows Vista, Windows 7, Windows 8, and Windows Media Player are registered trademarks of Microsoft Corp.

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