

AIMON HP HMA-1

Headphone Mixer/Amplifier

ENGLISH

User's Manual

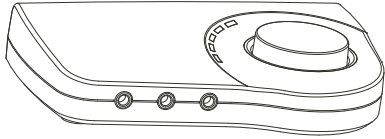
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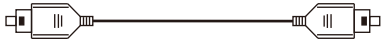
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Package Includes:



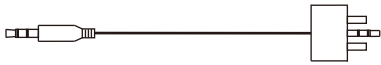
AIMON HP HMA-1 Mixer/Amplifier



Fiber optical Cable



USB Cable



AUX Cable



Quick Start Card

Introduction:

The Aimon HP Mixer/ Amplifier is specifically engineered for serious online gamers in mind. AIMON HP is the only choice when every moment is critical and the communication is the key vital factor that decides winning and losing. If you play fast paced tactical team based games online the AIMON HP gives you a real edge over your competition. The AIMON HP allows you to use any headphone of your choice. In addition, the AIMON HP allows you to play games without interfering others in your household.

You can play games for a long time without the need of charging any batteries with this wired Mixer/Amplifier solution. AIMON HP connects to your own headphone, it is very versatile you can have your choice of using your High end headphone or inexpensive headset.

The AIMON HP has up to four types of audio inputs that can be connected. It can mix three audio input sources and amplify the signal. Three audio inputs to the Mixer can be adjusted - Digital, Line In and AUX input.

You can plug AIMON HP into your pc as a usb sound card as an extra feature.

Getting Know about the AIMON HP unit:

1 Master Volume Control/Setup/Power knob

Adjust the headphone output volume and settings;
Press to select and adjust audio volume, gain and tone;
Turn on/Off the Power.

2 Indicator LEDs

Indicate selected audio channel, tone and amplifier gain to be adjusted and mode.

3 Microphone Input Jack

Standard 3.5mm microphone jack.

4 Headphone Output Jack

Standard 3.5mm headphone jack.

5 AUX Jack - Microphone Output and Line In (Used for XBOX360 only)

Connect to XBOX360 Controller to pass through the online voice.

6 Power / Volume Indication Light Ring

Indicates the power and volume with brightness.

7 Analog Stereo Audio Input

Standard RCA jack for stereo audio input.

8 Coaxial Digital Audio Input - S/PDIF

Coaxial digital audio input jack;
44.1KHz and 48KHz sampling rate supported.

9 Optical Digital Audio Input - S/PDIF

Optical digital audio input jack;
44.1KHz and 48KHz sampling rate supported.

10 Optical Digital Audio Output - S/PDIF

Optical Digital audio output when you have other speaker amplifier or Receiver to hook up (Works when the Optical Digital Input is connected only).

11 USB Audio/ Power Supply

USB microphone Output and headphone Input jack for connecting to the PS3 for online audio;
Unit power supply from USB port.

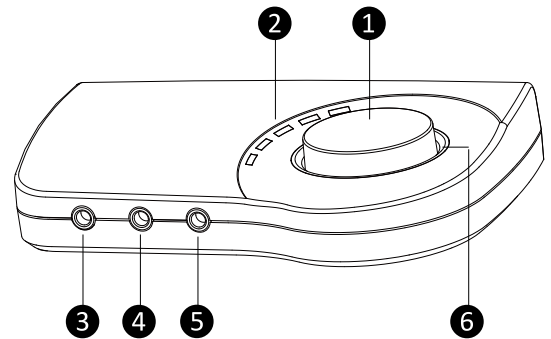


Figure 1

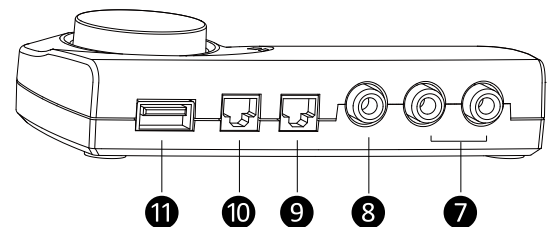


Figure 2

Getting Know about the AIMON HP unit:

System Diagram:

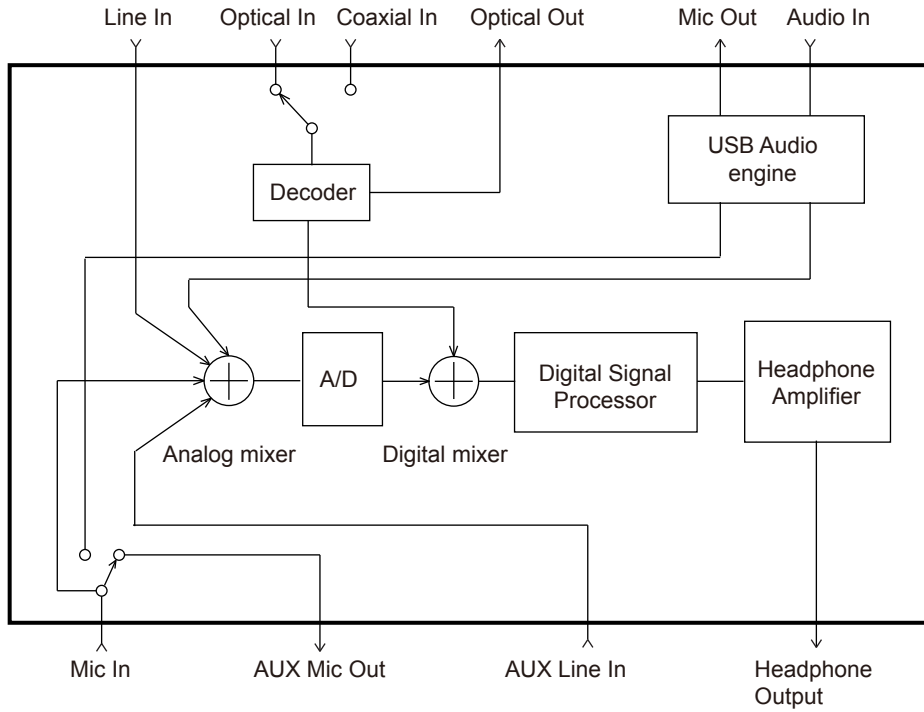


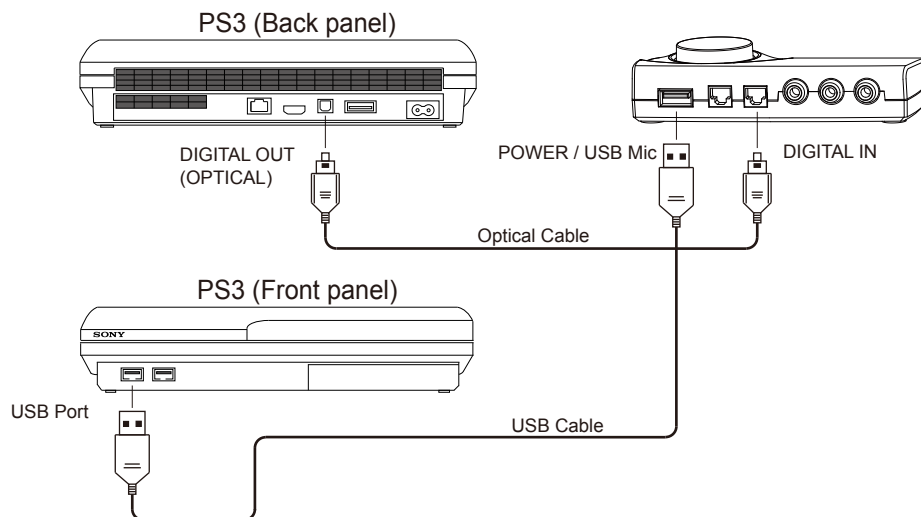
Figure 3

Note:

Only one of the optical and coaxial can be the input source at a time, the Optical input has the priority if both the optical and coaxial cable are connected.

Connect the AIMON HP to console:

Connect to PS3:



Note:

It can also be a separate stand - alone type microphone and a standard stereo headphone

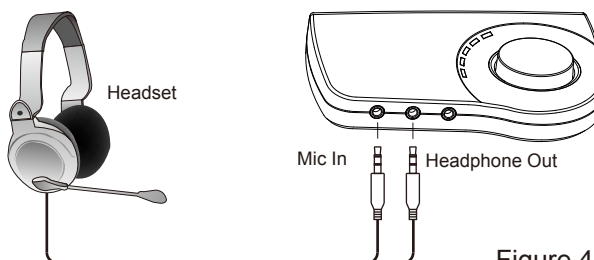
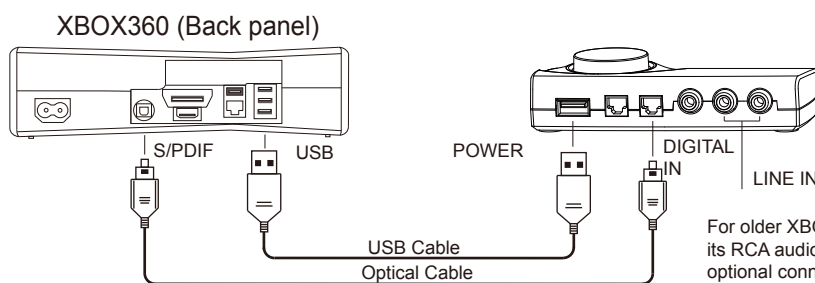


Figure 4

Connect to XBOX360:

Note:

For older XBOX360 model, an Optical Audio Adapter is needed (not included); Or you can connect the XBOX360's RCA audio cable to LINE IN on the AIMON HP instead.



For older XBOX360 model, plug its RCA audio cable here as an optional connecting.

Note:

It also can be a separate stand-alone microphone and a standard stereo headphone.

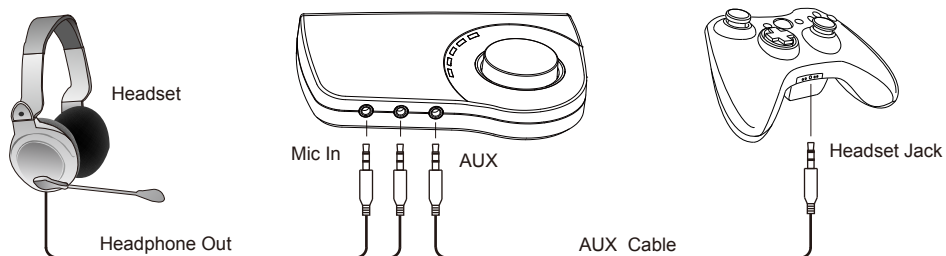


Figure 5

Connect to PC as USB sound card or other audio device (optional):

You can connect AIMON HP to any audio device that have optical, coaxial or Line Out output. When plugged into the PC USB Port, AIMON HP will work as a sound card with headphone output and microphone input.

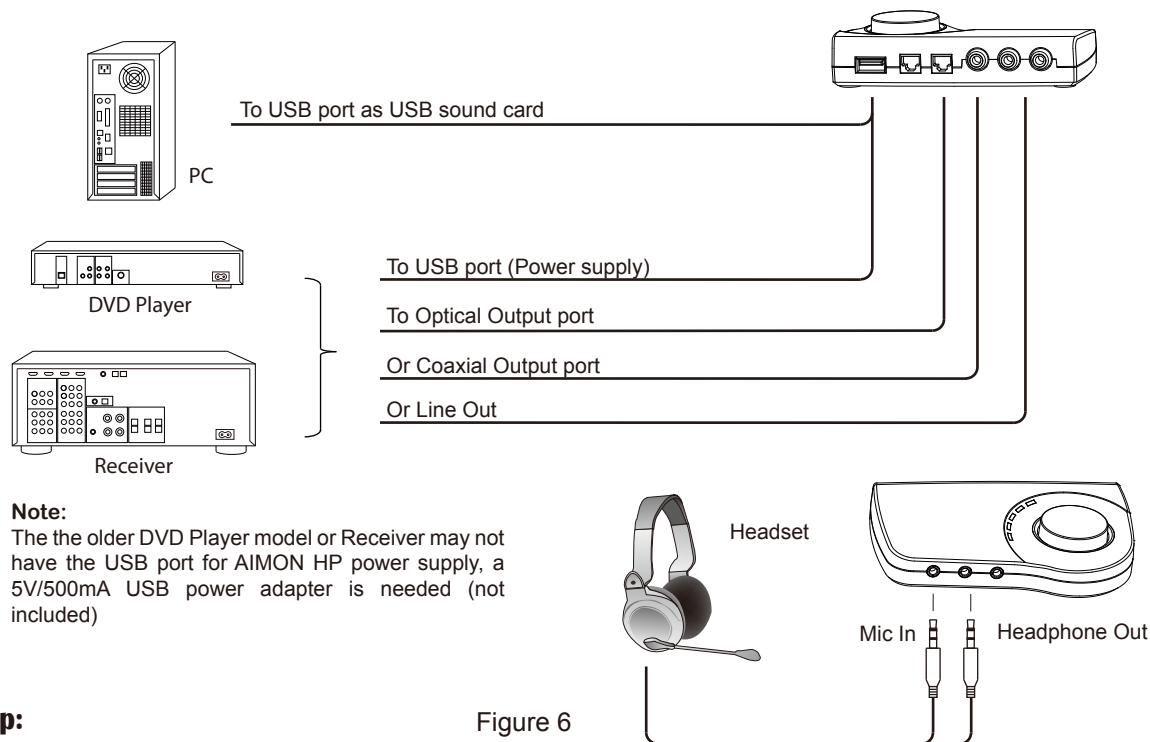


Figure 6

Setup:

Setup PS3 for AIMON HP:

1. On the PS3 console main menu:
Go to Settings -> Accessory Settings -> Audio Device Settings.
-> In the "Audio Input Device" option:
Select the "USB Audio Device", then adjust the "microphone level" as desired;
-> In the "Audio Output Device" option:
Select "System Default Device" (Recommended) or "USB Audio Device".
2. On the PS3 console main menu:
Go to Settings -> Sound Settings -> Audio Output Settings:
Select the "Optical Digital" as your audio output, and leave all the check box blank
(The "Linear PCM 44.1KHz" and "Linear PCM 48KHz" unchangeable.)
3. If you have your Receiver connected for a speaker system:
From the PS3 console main menu:
Go to Settings -> Sound Settings -> Audio Output Settings:
Select "Audio Multi-Output" to be "ON".

Setup XBOX360 for AIMON HP:

On the XBOX360 main menu:
Go to Console Settings-> Audio -> Digital Output:
Select the "Digital Stereo" digital output data format.

Setup PC or other audio source to for AIMON HP:

1. For AIMON HP working as USB sound card on PC, select the "USB audio device" as your audio output and microphone input in your device manager window.
2. For other audio sources, setup your audio device digital output format to 44.1KHz or 48KHz PCM stereo.

Operation:

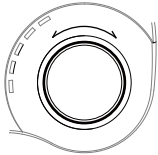
Operate your AIMON HP:

1. Power On/Off:

The AIMON HP will automatically turn on when powered up. To turn the Aimon HP off, press and hold the knob for 3 seconds. To turn the AIMON HP On again when it is off, press the knob.

2. Headphone master volume:

Turn the knob to adjust headphone volume. The luminance of the LED light ring indicates the volume level.



3. Setup and adjust audio level :

The settings of Digital Audio input level, Line In/AUX In audio level, amplifier gain and tone can be adjusted. All the settings will be stored into the memory, it will recalled when it is powered up again.

The amplifier gain is for adjusting the output power for different headphone speaker size in order to get the best dynamic range. In most cases the default factory setting is optimal. It is adjusted ONLY when you hook up a very large low sensitivity headphone or very small phone.

- a. Press the knob to enter Select mode and then turn the knob to select setting to be adjusted, the LED indicates which setting is selected.



- b. Press the knob again to enter Adjustment Mode, then turn the knob to adjust. The LED ring is flashing and the luminance indicates the volume.

Adjusting the Digital In and Line In can change the balance of your gaming sound volume and the online voice volume.



Note:

When adjusting the Line In, AUX input volume is adjusted as well.

4. Exit from adjustment:

AIMON HP will automatically exit the Adjustment mode after 10 seconds, or exit the Select Mode after 5 seconds without any knob activity. Double press the knob to exit from any mode immediately.

5. Reset:

To reset all of the settings to factory default, press the knob while the USB is plugged into the port. Note that the USB port must have the power on for the AIMON HP to reset.

Support:

E-mail: support@tuact.com or visit our web site at www.tuact.com for technical assistance.

Limited Warranty:

This product is warranted to the ORIGINAL purchaser for the normal intended use for a period of one year from the date of purchase.

If a defect covered under this warranty occurs, please contact your local distributor where you bought the product from. Tuact Corp. DOES NOT replace the defectives directly.

Specifications:

Audio Inputs:	Line In, Mic In, AUX - Line In, Optical In, Coaxial In
Audio Outputs:	Headphone Out, USB Mic Out, Optical Out
Power supply:	DC 5V, 500mA
Output power:	2 X 105mW /16 Ω 2 X 70mW /32 Ω
Output impedance:	16-32 Ω
Frequency response:	15-22000Hz/ \pm 3dB
THD:	0.1% / 1KHz 16 Ω
SNR:	86dB
Tone Control:	\pm 12dB, 1.5dB/click. at 100Hz(Base) \pm 12dB. 1.5dB/click. at 7KHz(Treble)
Gain Range:	\pm 8dB, 2dB/step
USB Mic:	USB 2.0
Digital audio format:	44.1KHz, 48KHz PCM stereo