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AON Real 5.1ch Gaming Headphone

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Thank you for your purchase of the **AON 5.1ch Gaming Headphone** of WaveON Inc.

Please read this user manual before using AON and operate AON based on recommended methods in this manual. Also, fill in the blank of the Product Warranty Card and keep this card carefully for your troubleshooting.

Changes in specifications and features of AON may be made without notice or obligation.

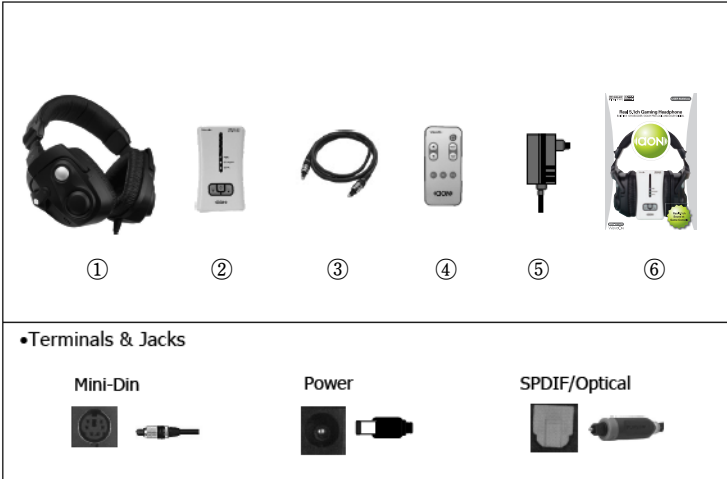
❖ Manufactured under License From Dolby Laboratories. "Dolby", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.



1. Content of Package

▲ AON 5.1ch Headphone System

: MDH-501H (Headphone) + MDH-501D (Dolby Decoder)



① 5.1ch Headphone	1EA
② 5.1ch Dolby Decoder	1EA
③ Optical Toslink Cable	1EA
④ Remote Controller	1EA
⑤ AC / DC Power Adater (220V, DC8V, 300mA)	1EA
⑥ User Manual	1EA



3. Features

▲ AON 5.1ch Headphone



① Front / Center Speaker

② Subwoofer Speaker

③ Rear Speaker

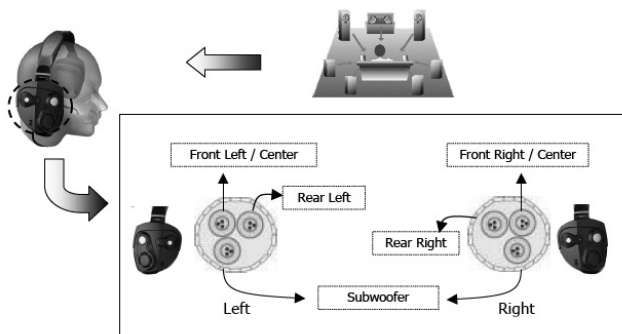
④ Headphone band

As a single type headband, the flexible and durable hoop is equipped inside. The soft foam cushion offers extremely comfortable wearing to users.

⑤ Headphone ear cushion

Thin and soft material made ear cushion is designed to cover up user's ear entirely to prevent fatigue from the pressure of headphone.

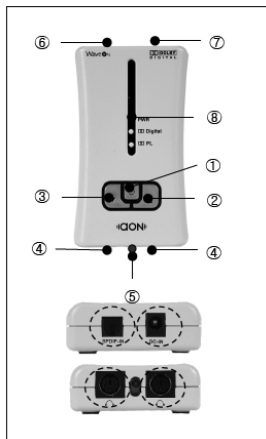
▲ AON 5.1ch Headphone : Speaker Units





3. Features

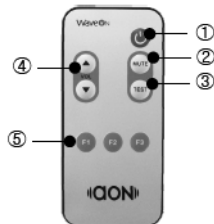
▲ AON 5.1ch Dolby Decoder



① Power Button	Turns the power ON/OFF
② Volume Up Button	Adjusts the Volume level up
③ Volume Down Button	Adjusts the Volume level down
④ Dual Headphone Terminals	Connects the 5.1ch headphone
⑤ IR Lamp	Receives IR signals from IR controller
⑥ DC-IN	Connects the power to AON
⑦ SPDIF-IN	Connects the external SPDIF Terminal of Game consoles, DVD Player, and multi-channel sound card etc.
⑧ LED Display	Displays the status of system • PWR : When "PWR" switch is on. • Dolby Digital : When Dolby Digital source is playing • PL : when Dolby Pro Logic and 2-ch Dolby Digital source is playing

▲ AON IR Remote Controller

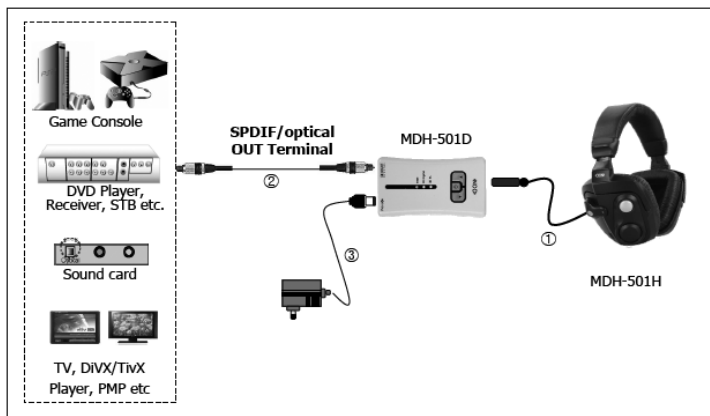
① Power Button	Turns the power ON/OFF
② MUTE	Deletes the Volume
③ TEST	Tests all 6ch sound
④ Volume	Adjusts the volume
⑤ FUNCTION Button	Adjusts the DRC value Selects the Stereo PCM Mode





4. Installation and operation

▲ Connecting AON Headphone and Decoder



1. Connecting AON Headphone (MDH-501H) to Decoder (MDH-501D)

① Connet the cable with min-din jack to the " " terminal at the decoder.

❖ Dual mini-din jacks can accommodate two AON headphones.

2. Connecting user's device

② Connect the SPDIF (optical) jack to the "SPDIF-IN" at the decoder, then, connect the SPDIF(optical) cable to the SPDIF/optical terminal at user's device.

❖ If using the Microsoft® X-BOX, the "Advanced AV Pack" is required.

3. Connecting Power

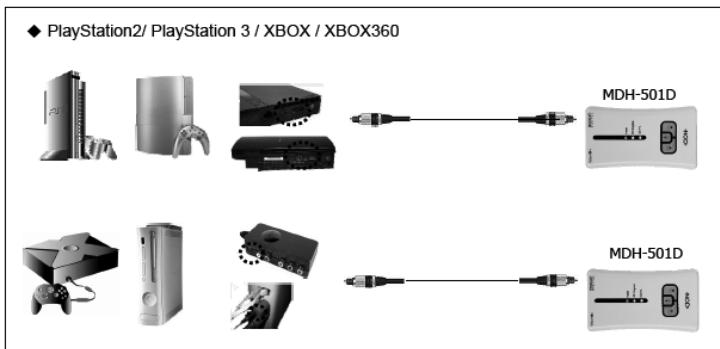
③ Connect the power jack of adapter to the "DC-IN" Terminal at the decoder.
(The LEDs are once blinked and then off.)



4. Installation and operation

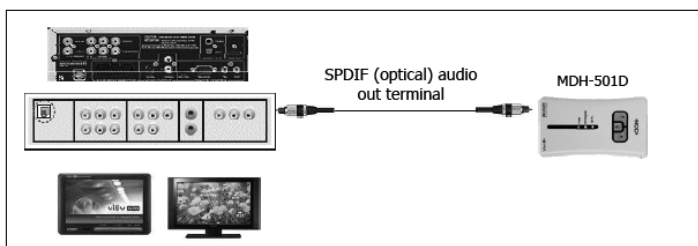
▲ Installation Examples

• Game Console (with SPDIF / Optical OUT)



- ① Connect the SPDIF (optical) Jack to the "SPDIF-IN" at the decoder.
 - ② Connect the SPDIF (optical) cable to the SPDIF-optical OUT terminal at Game Console.
- ❖ If using the Microsoft® X-BOX, the "Advanced AV Pack" is required.

• DVD Player, Receiver, STB etc (with SPDIF/optical OUT)

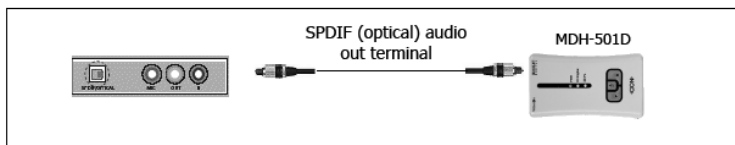


- ① Connect the SPDIF (optical) Jack to the "SPDIF-IN" at the decoder.
- ② Connect the SPDIF (optical) cable to the SPDIF-optical OUT terminal at DVD Player or Receiver etc.



4. Installation and operation

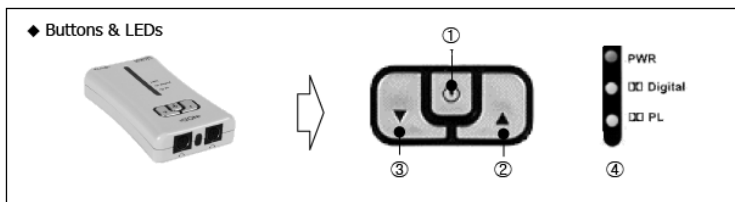
• Sound Card (with SPDIF/optical OUT)



- ① Connect the SPDIF (optical) Jack to the "SPDIF-IN" at the decoder.
 - ② Connect the SPDIF (optical) cable to the SPDIF/optical OUT terminal at Sound Card
- ❖ In case of mini-optical terminal supported only at user's device, user needs Toslink-mini optical converting jack/cable.

▲ How to use AON decoder and IR Controller

◆ Buttons & LEDs

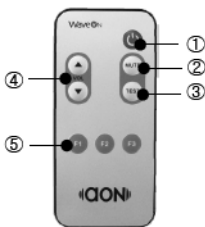


- ① **Power button** : Turns the power ON/OFF
- ② **Volume Up button** : Adjusts the Volume level up
- ③ **Volume Down button** : Adjusts the volume level down
- ④ **LED Display Panel** : Displays the status of the source
 - PWR : When power is ON
 - Digital : When Dolby Digital source is playing
 - PL : When Dolby Pro Logic decoding is engaged for 2-channel PCM.
 - For a two-channel Dolby Digital signal, Dolby pro logic decoding will be if active if the signal has been encoded with Dolby Surround.



4. Installation and operation

◆ IR Controller



① Power Button	Turns the power ON/OFF
② Mute	Deletes the volume
③ TEST	Tests all 6ch sound • Front Left → Center → Front Right → Rear Left → Rear Right → Subwoofer
④ VOL	Adjusts the Volume • Dolby Decoder's buttons are blinked as VOL is Pressed.
⑤ FUNCTION BUTTON	• F1 + VOL : Adjusts DRC (High Level Cut) Value • F2 + VOL : Adjusts DRC (Low Level Boost) Value • F3 + VOL : Changes the current mode to Stereo PCMPress F3 again to return to the current mode



Adjusting

"DRC (Dynamic Range Compression) High Level Cut" Value

① Press F1 button → press the volume up/down button : Dolby Digital LED is blinked two times then DRC value is increased or decreased as volume up and down button pressed. When DRC value reaches maximum or minimum, Dolby Digital and PL LEDs are blinked by turns.

② Press F1 button again : The adjusted DRC value is saved and returns to the normal mode.



Adjusting

"DRC (Dynamic Range Compression) Low Level Boost" Value

① Press F2 button → press the volume up/down button : Dolby Digital LED is blinked two times then DRC value is increased or decreased as volume up and down button pressed. When DRC value reaches maximum or minimum, Dolby Digital and PL LEDs are blinked by turns.

② Press F2 button again : The adjusted DRC value is saved and returns to the normal mode.



5. FAQ & Troubleshooting

- ❖ When the product is unplugged, DRC is restored to the default setting value.
- ❖ Turning off the product by power button on IR controller and decoder conserves the changed values.

▲ FAQ & Troubleshooting

Q) What do "Dolby Digital" and "Dolby PL" mean?

A) "Dolby Digital" means Dolby Digital which supports up to 5.1 channels (center, front left, front right, subwoofer, rear left, rear right) of discrete surround sound. When the sources (movie, music or game) outputs a Dolby Digital bitstream, the AON decoder detects this and reproduces the sound through the six speakers of the AON headphones.

A) "PL" means Dolby Pro Logic, which decodes a 2-channel signal into 4 channels. (center, front left, front right, rear). When the source is 2-channel, the AON decoder uses Dolby Pro Logic to expand the sound to play through the four speakers of the AON headphone. A two-channel Dolby Digital bitstream can also be expanded to four channels using Dolby Pro Logic.

A) The status LED's on the front panel show which type of decoding is active.

Q) "I can't hear any sound from headphone after correct connecting the system when my game console is ON. What is wrong?"

A) Please check the optical cable and headphone cable are stably connected.

A) Please check the decoder is ON.

A) Please check the volume of decoder and all other connected devices is at proper level.

Q) Can two people use this AON system at the same time?

A) Yes. you can plug another AON headphone into one decoder, but you have to buy one more headphone additionally.

Q) I have a different type of optical terminal at my device, from enclosed optical cable. What can I do?

A) In case your device has min- optical terminal, you need to purchase toslink-mini optical converting jack.

- ❖ Please always use the power adapter in AON package or use the another power adapter which has the same specification, when lost.
- ❖ Please unplug the power adapter when you're not using AON for a long time.



6. Safety Information

This Safety Information presents important information for safe and effective use for AON. Please read carefully and observe the guidelines.

❖ Symbols are indicating their level of importance as below ;

⚠ Warning : Violation of this symbol results in serious damages to AON and users.

⚠ Caution : Violation of this symbol causes the minor damages to AON and users.

Warning

CONDITIONS

- Never attempt to repair and dismantle AON yourself.
- Place use AON away from the children and babies.
- Keep AON away from the moisture and humidity. Also, AON needs to be avoided the excessive temperature, over 35°C and below -5 °C.
- Unplug and call instantly to AON service center for advice when AON produces fire, fume and strange odor.
- Be sure to use the enclosed power adapter. Connection to an improper power adapter may cause fire.

AON Headphone

- Do not pull the cable connected to AON headphone.
- Do not spill water or other liquid into AON. It may lead to fire.
- Do not allow external objects to cover or insert into air-ducts and other space of AON headphone.

AON Decoder/etc.

- Do not allow external objects to cover or insert into air-ducts at the bottom of AON decoder and other unused jacks.
- Replace the battery when IR controller is not working. Be sure to use the same specification of the battery which is 3V lithium battery.
- Do not use enclosed power adapter with other devices.
- Do not directly see the red light, inside of the enclosed optical cable during operation.
- Be sure to unplug the power adapter when cleaning AON. Wipe gently the surface of AON with dried and smooth cloth. Do not use benzol, thinner, alcohol, lubricant and other hazardous liquid for AON decoder.



6. Safety Information



CONDITIONS

- Minimize or adjust the volume on the connected devices to proper level when you use AON in order to protect ears.
- Do not use AON at inappropriately high volume level. This may cause damages on your hearing.
- Do not pull the plug of power adapter and unplug AON before leaving it unused for an extended period.
- Do not throw, drop, put pressure and place heavy objects on the top of AON. These causes breakage and misoperation.
- Place AON on the firm, stable and horizontal surface. AON may be broken or injured if dropped.

AON Headphone

- Do not drop AON headphone and extend head band excessively.
- Do not use the sharp objects with headphone. Ear pad, head band and head phone body can be damaged.

AON Decoder/etc.

- Do not press the surface of AON decoder excessively during operation. These causes breakage and misoperation.
- Do not use AON decoder with other devices.
- Do not fold the optical cable and protect it from impact.
- Press the buttons of AON decoder with proper pressure and do not operate two or more buttons together.



7. Warranty

▲ Product Warranty

① Warranty period of the product is 1(one) year after your purchase.

② During this warranty period, the product which has damages, breakdown and malfunction under user's fair operation in accordance with the guidelines defined and implied in this manual will be covered by product warranty policy, therefore, the product can be replaced by new and/or repaired one under maker's expense. However, this expense of repair and/or replace should be under user's expense when warranty period is expired.

③ Although the warranty period is valid, user should bear all expenses (including transportation charges) of repair and / or replace, in case of followings :

- Damages, breakdown, Malfunton by,
 - the act of God
 - user's negligence and misoperation.
 - dismantlement, disassembly, transformation, modification, replacement of the components and/or any operations that prohibited and unrecomended.

WARRANTY CARD

Please keep this card carefully. You may be requested to present this card for your troubleshooting and this card cannot be issued again.

Product Name	AON REAL 5.1CH GAMING HEADPHONE			
Model Name	☐ MDH-501H ☐ MDH-501D	Serial No.		
Purchase Date	YY / MM / DD			
Warranty Period	1 YEAR AFTER PURCHASE			
Customer's Info	NAME		TEL	
	ADDRESS			
Purchase Info	NAME OF STORE		TEL	

CAUTION: Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment

WARNING

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.

INFORMATION TO USER:

This equipment has been tested and found to comply with the limit of a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation; if this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient / Relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help