U S E R   M A N U A L

3 Port HDMI/MHL Audio Extractor

（4K ARC Audio EDID setting 5.1CH/PASS/2CH）

Model No: AA6018

Enjoy the vivid world!

INTRODUCTION

Dear customer

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

Our series of HDMI Converter, switchers, extenders, matrixes and splitters are designed to make your A/V device use more convenient, more comfortable, more productive and more cost-efficient.

The device is one 3Port HDMI Audio Extractor with support of ARC,3D and 4KX2K,which can switch easily three HD Sources or one MHL smart sources to one HD Display. Also any of the input sources support the audio extract by the SPDIF and LR audio output channel. The Switcher supports ARC function that can do TV audio return back to the AV receiver.

Our devices offer solutions for noise, space and security concerns, data center control, information distribution, conference room presentation, school and corporate training environments.
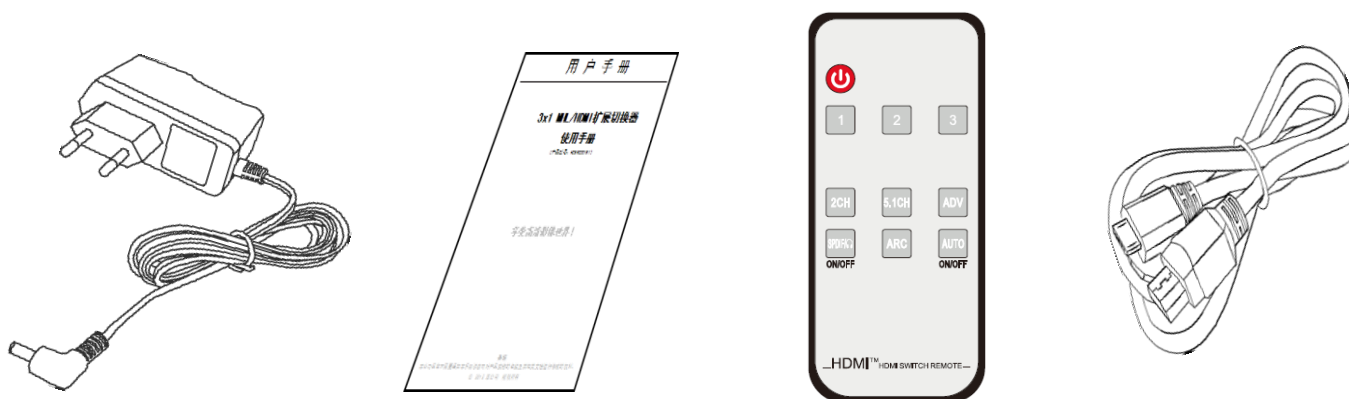
FEATURES

● One MHL/HDMI double input and two HDMI input switch freely to one HDMI output.

● Any input HD Source can do audio extract by the SPDIF ort LR audio output port.

● Support   Full HD 1080P, Full 3D,4K*2K

● Support ARC Function: Without adding one extra HDMI Cable, it can reverse the audio to the AV Amplifier by HDMI Cable connection with HD TV while the HD TV receives the audio and video content.

● MHL / HDMI working in dual mode, can reduce the number of ports

● HDMI to achieve the synchronization of audio signal separation. There are PASS / 2.0CH / 5.1CH three kinds of audio mode options

● LED indication: when source or sink is working, LED related will go bright.

● Support input up to 10metres using AWG26 HDMI standard cable length, output up to 15metres using   AWG26 cable length

● IR Remote can do switch to the Input sources, and also you can press the switch button at device to do switch of the Input Sources.

- Led Status Light allows the user to know the working status easily.

- No loss of quality

- Installs in minutes

- Need DC5V/1A power supply

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The accessories with the machines list as picture：

1、5V power adapter   1pcs

2、User manual   1pcs

3、Remote   1pcs

4、MHL-HDMI cable   1pcs   （Optional）
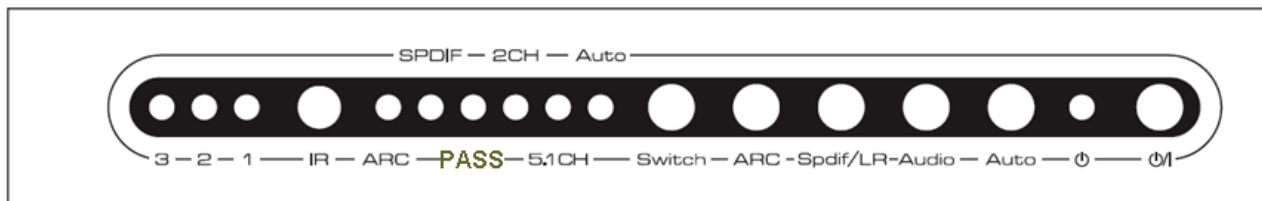
Physical Connection Showing Picture：

Figure 1.0 Front Panel Showing Picture

1-3：HDMI input led status light

IR: IR Receiver

ARC：ARC Led Status Light

SPDIF：SPDIF Port Led Status Light

PASS：Advance Audio Led Status Light

2CH：2CH Audio Led Status Light

5.1CH：5CH Audio Led Status Light

Auto: The Auto Detect Led Light for Input Sources

Switcher: Input Sources Switch Button

ARC：ARC Function On/Off Key

SPDIF/ LR： On/Off Button for SPDIF and LR audio

Audio：Switch button for Audio output mode, it can choose 5.1CH, 2.0CH, PASS three kinds of audio output mode by circulate switching (When switch to 5.1CH audio mode output, the Digital audio signal receiving terminal must can support DTS/DOLBY-AC3 decode, or the output audio signal receiving terminal will have no sound output; If pls switch to 2CH audio mode. the audio signal receiving terminal can output the audio. When audio output switch to the PASS mode, the audio output format will be decided by the audio signal receiving machine audio decode ability. The splitter will output 7.1 channel audio signal while the output end connects the AV receiver with HDMI port that support 7.1 channel audio decode. (The HD Source signal itself is 7.1 channels)

Auto: Auto Detect Button for the Input Signal

⏻ ： Standby Led Light

⏽： Power On/Off Button

Figure 1.1rear panel showing picture

DC5V： 5V DC-DC Power Interface

MHL/ HDMI IN1: MHL/HDMI Dual Mode input ports

HDMI IN2-HDMI IN3： HDMI input interface

OUTPUT: HDMI output interface
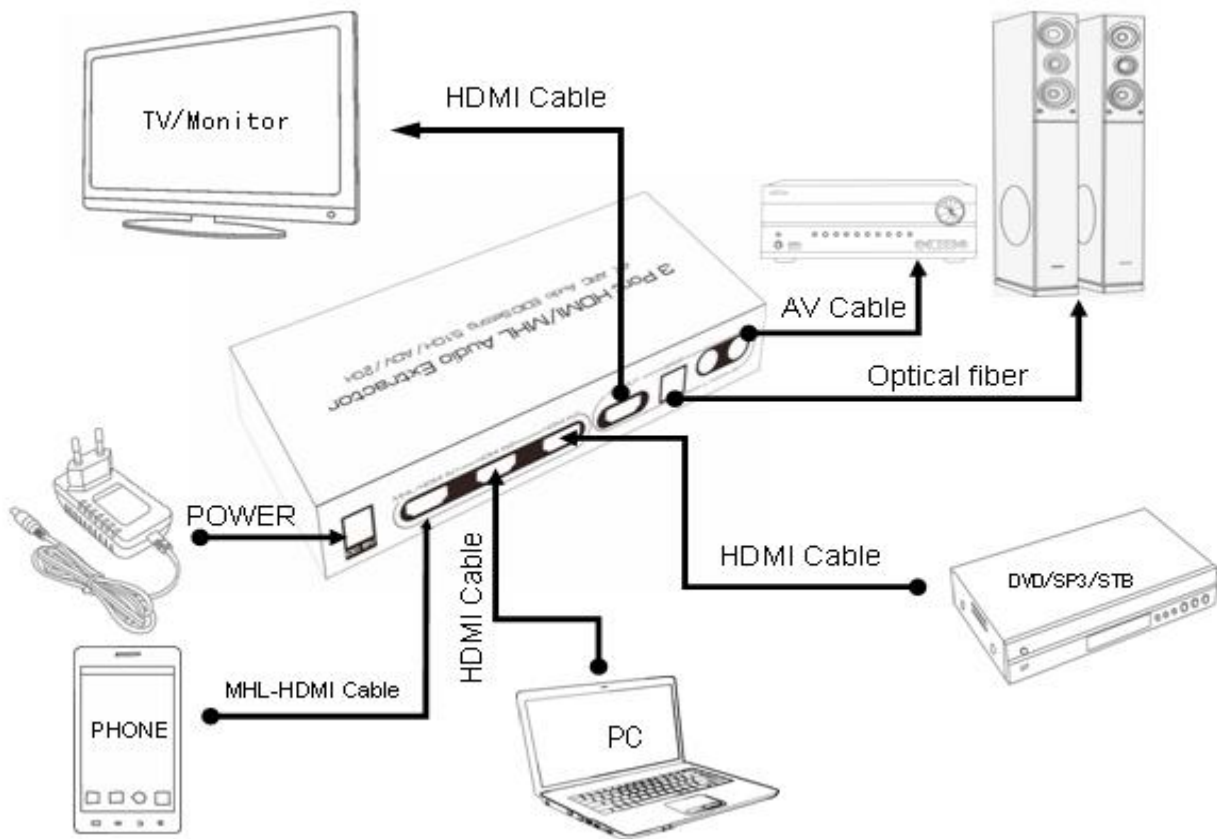
SPDIF: SPDIF optical output interface

L/R： LR audio output channel

Operating and Connecting:

1. To use the HDMI cable to connect the input port of 3Port HDMI Audio Extractor with the HDMI sources or to use one MHL-HDMI cable to connect the MHL smart device to connect with the HDMI double mode input port.

2. To use one HDMI cable to connect the HDMI output port of the Switcher with the HD

Display.

3. To use one optical cable to connect the SPDIF port of the Switcher with the AV receiver.

4. To use RCA audio cable to connect the LR audio port of Switcher with the Analog Audio Input port.

5. ，To use the IR remote or the switch button to do control and switch to the Input sources and the ARC/SPDIF function.
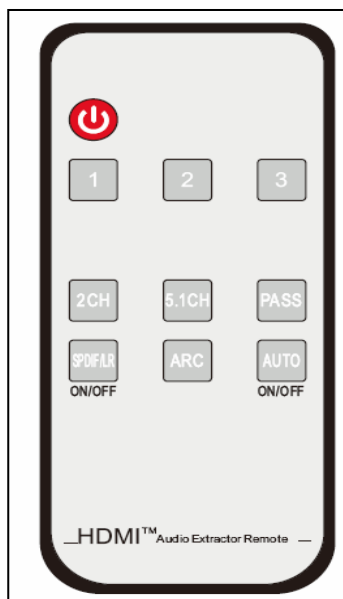
6. To connect the 5V adaptor with the device.

SPECIFICATIONS: HDSW0003M1

HDMI resolution ……………………………..4KX2K/1080p/1080i/720p/576p/576i/480p/480i

Support video color format ……………………………..…………….24bit/deep color 30bit,36bit

Audio output…………………………………………………..……………………….. L/R+SPDIF

Max transmission bandwidth………………………………………………………………….. 300MHz

Max baud rate………………………………………………………………………………….9.0Gbps

Input/Output TMDS signal …………………………………………..…………… 0.5~1.5Volts p-p

Input/Output DDC signal …………………………………………………..………… 5Volts p-p (TTL)

Input cable distance.…….. ………………………………..≤10m AWG26 HDMI standard cable

Output cable distance……………………….…….….....≤15 AWG26 HDMI standard cable

Max working current………………………………………………………………….500mA

Power adapter format……………..Input: AC (50HZ, 60HZ) 100V-240V; Output: DC5V/1A

Operating Temperature range…….…….….………………………………… (-10 to +55℃)

Storage Temperature range……………….………………………………………… -20 to +60℃

Operating Humidity range…………………………….…………10 to 90%RH (No Condensation)

Storage Humidity range…………………………….……….…5 to 95%RH (No Condensation)

Dimension (L x W x H)　………………………………………………..…179X67X28(mm)

Weight…….………………………………………………….……………….………………365g

IR Remote Operating Instruction

1．Firstly take off the plastic film that inserted in the rear of remote board

2．You can press the number 1, 2, 3 button directly to choose the input channel that you want. For example, if you want switch the input two sources to the output; you can press the number 2 button directly.

3．2CH：2 channel stereo mode.

4．5.1CH：5.1 channel mode.

5．PASS：Advance Audio model

6．SPDIF/ L R：　ON/OFF Key for SPDIF and LR audio out

7．ARC：ARC Function On/Off Key

8．Auto: Auto Detect Button for Input Sources.

9．The plastic film is strongly advised to insert the rear of the remote board when the remote is not used for long time.

Notes:

    Pls use the machine as the instruction listed to keep the long use lifetime of the machine.

1. The machine should be placed at the spot far from the Damp, High-Temperature, Dusty, Erosive, and oxidative environment.
2. All parts will be free from the strong shake, hit, fall.
3. Touching the power adaptor with the wet hands is prohibited.
4. Pls hold the power adaptor head and do not pull the power cord when cut off from the socket.
5. Pls turn the power off when the machine is not used for long time.
6. Pls do not open the cover and do not touch the inside parts.
7. Pls use the original factory power adaptor.

Before power on, pls check the connection line carefully. And make sure that all interfaces are normally connected. The common trouble shooting way shows below:

Serial NO	Trouble Description	Cause and Ways to deal with
1	Non-Power-Connected	1、Check if the power adaptor head is truly and correctly inserted the power socket. 2、Check the power switch if it is in on status.
2	No Picture	1、Pls to make sure that the TV is on and has been connected with the machine,. 2、To check if the signal source is on and well connected. 3、Check the system connection quality. 4、Check if the line is all good quality. 5、Check the cable quality..
3	Obscure Picture	1、To try again to connect the cable to be free from the unsuccessful connection. 2、HDMI Cable Quality
4	No sound	1、Please confirm the setting position of audio mode

		switch
5	Remote	1、Pls check if the film that stops the current has been taken out. 2、To check if the remote battery is working well.