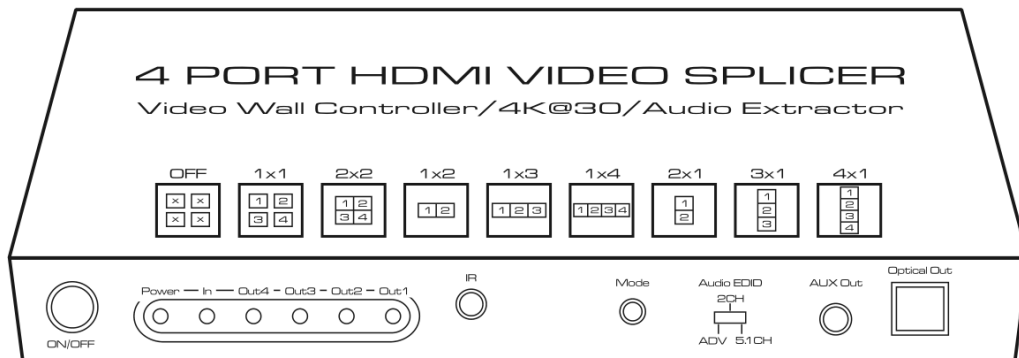


User Manual

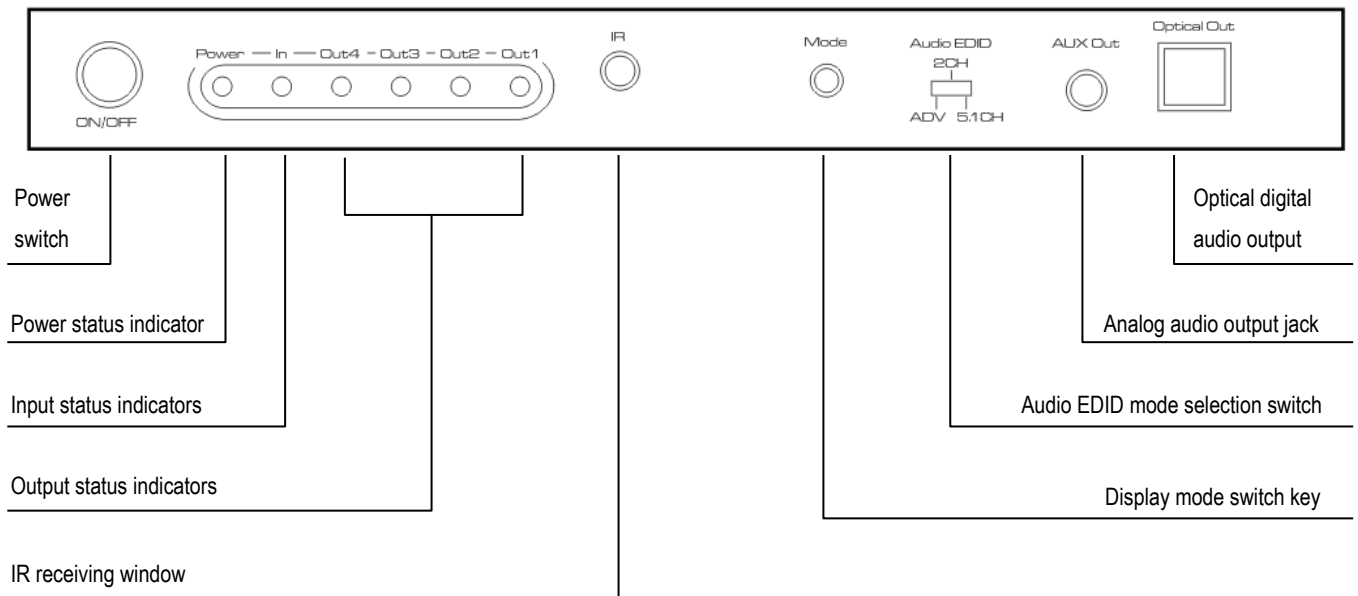
4 Port HDMI Video Splicer

MODEL No. AA6103

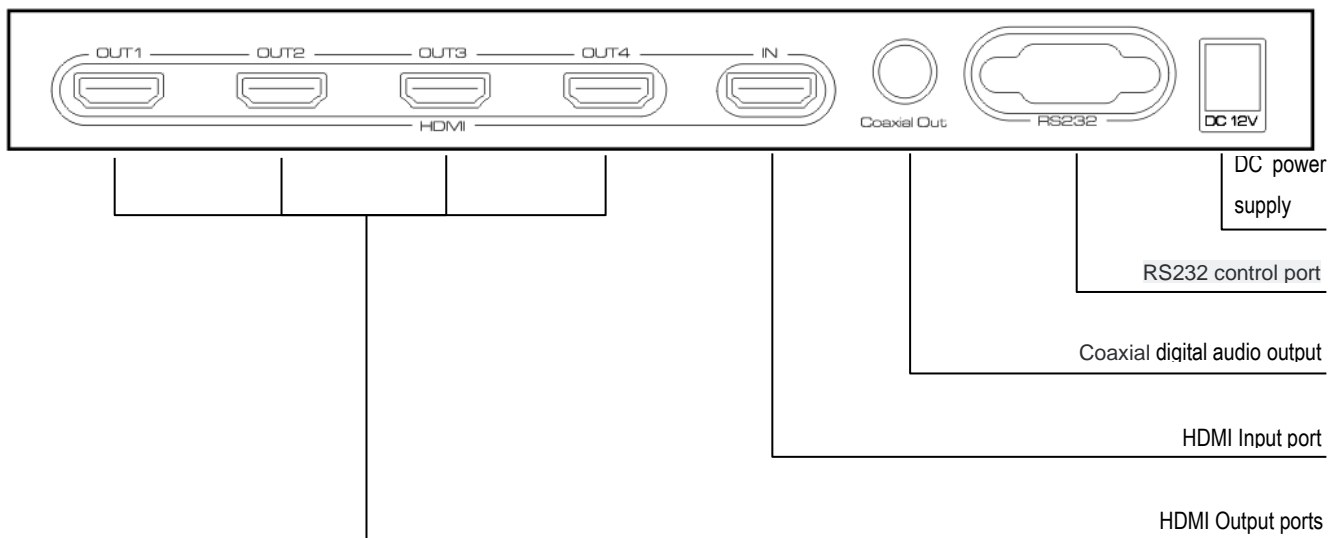


FEATURES OF THE INTERFACE:

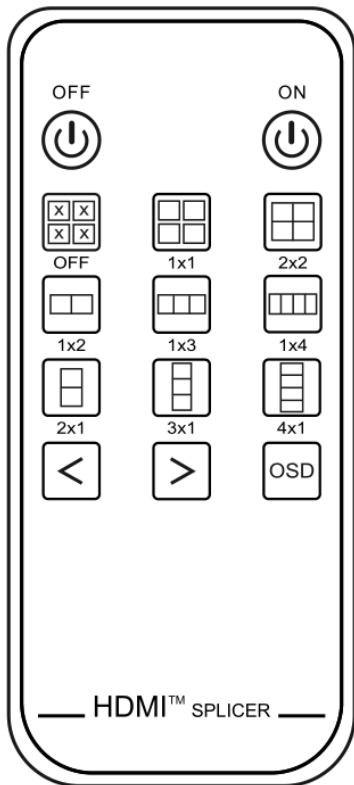
Picture 1.0 front panel view



Picture 1.1 rear panel view



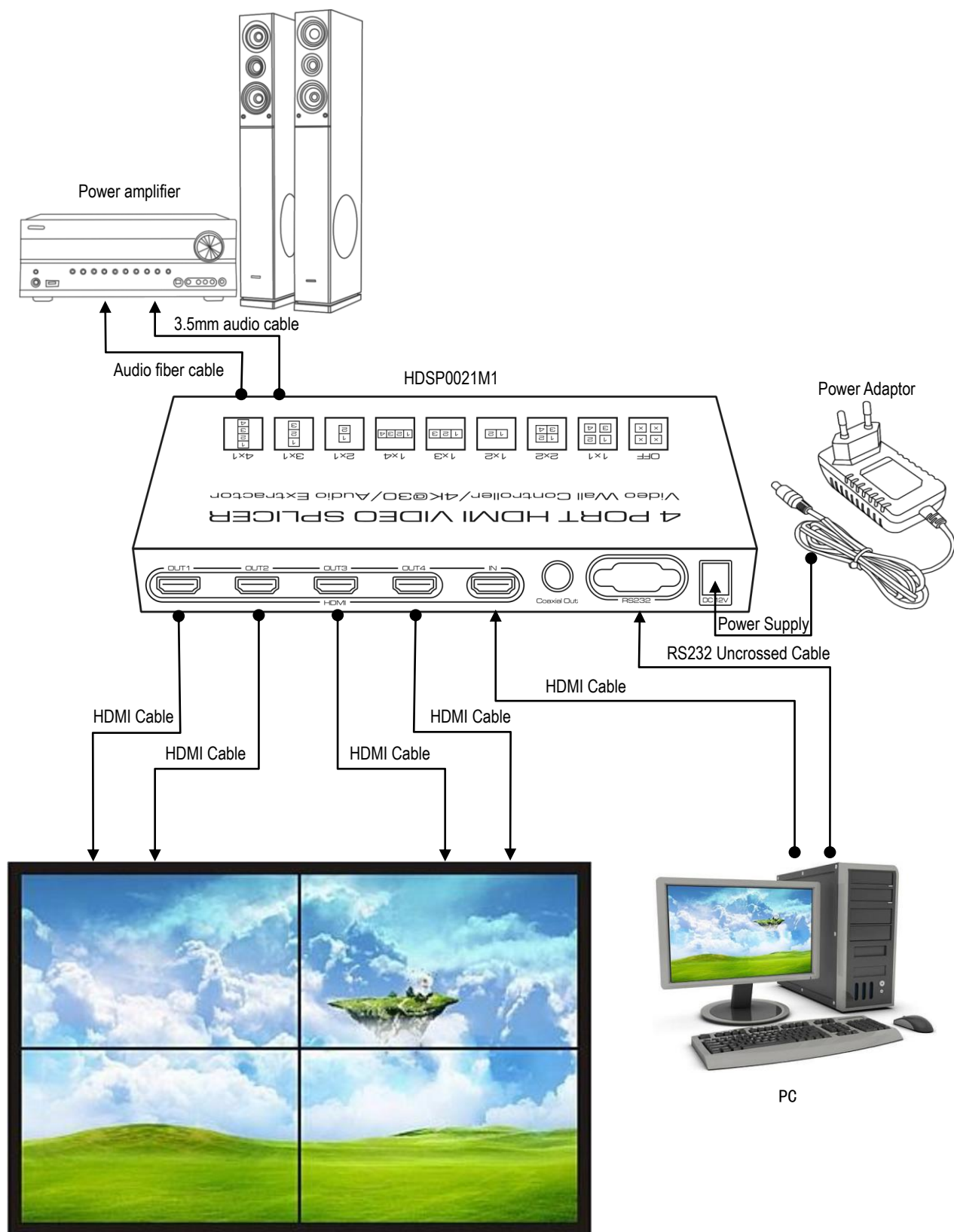
Picture 1.2 IR panel showing and function introduction



Remote keys	Panel keys	Functional description
	/	Power standby on/off button
OFF	Press Mode key	Turn off display mode. In this mode all output ports have no signal output, but Optical, Coaxial and AUX can output sound.
1 x1		Split display mode. In this mode, all output ports output the same signal as the input.
2X2		Spliced display modes
1X2		
1X3		
1X4		
2X1		
3X1		
4X1		
</>		Switch mode. Switch the display modes in a forward or backward loop.
OSD	Press Mode key more than 3 seconds	Turn on or off the OSD show.

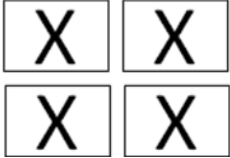
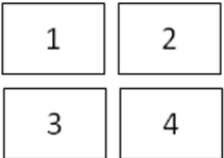
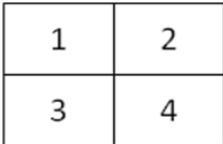

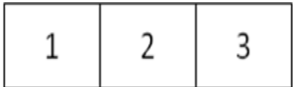
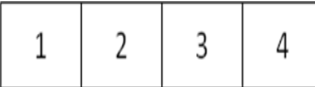



* Please take out the film at the rear of the remote before you use. Please insert the film to remote rear if you do not use the remote for long time.

Connection and operation:



Matters needing attention:

1. Display mode description

Mode	Splicing diagram	Mode	Splicing diagram	Mode	Splicing diagram
OFF		1X1		2X2	
1X2		1X3		1X4	
2X1		3X1		4X1	

Note: When the display mode is spliced, the output ports not listed in the figure will be bypass output.

2. Function description of "Audio EDID mode switch"

By selecting different EDID modes, the audio EDID information of the display device can be changed to make the signal source output the corresponding audio format.

Audio EDID mode	Description	Suitable situation
ADV	The audio output format is determined by the EDID information of the HDMI output1 connected equipment. You can get the best sound quality in this mode. But Optical and AUX ports may not have sound output because the format is not supported.	Recommended HDMI output
2CH	All ports priority output the stereo audio in this mode.	Recommended AUX output
5.1CH	Priority output 5.1 channel bit stream in this mode. In this mode, AUX port may not have sound output because the format is not supported.	Recommended Optical output

3. About OSD show

This product supports OSD show, which is used to show the status when switching the display mode.

The content of OSD is usually displayed in the upper left corner of the OUT1 output screen. When there is a switch operation, OSD will be showed for about 15 seconds and then automatically hidden.

The contents of OSD include: output resolution, input channel and display mode.

You can choose to turn on/off the OSD show. Turning off the OSD show can help improve the speed of switching between display modes.

4. RS232 remote control

This product supports RS232 remote command control and returns the status.

Connect the RS232 port of the splicer to the PC COM port by a RS232 uncrossed cable or USB to RS232 adapter. Then install serial port tools in the PC can use RS232 control.

Parameter configuration of serial port on PC side

Baud rate	115200
Parity bits	NONE
Data bits	8
Stop bits	1

Serial port command table:

NO.	Send command			Return	
	ASCII	HEX	Instruction	Successful	Fail
1	!SW0#	0x21 0x53 0x57 0x30 0x23	Switch to OFF mode	!RC0#	NONE
2	!SW1#	0x21 0x53 0x57 0x31 0x23	Switch to 1X1 Split mode	!RC1#	NONE
3	!SW2#	0x21 0x53 0x57 0x32 0x23	Switch to 2X2 Spliced mode	!RC2#	NONE
4	!SW3#	0x21 0x53 0x57 0x33 0x23	Switch to 1X2 Spliced mode	!RC3#	NONE
5	!SW4#	0x21 0x53 0x57 0x34 0x23	Switch to 1X3 Spliced mode	!RC4#	NONE
6	!SW5#	0x21 0x53 0x57 0x35 0x23	Switch to 1X4 Spliced mode	!RC5#	NONE
7	!SW6#	0x21 0x53 0x57 0x36 0x23	Switch to 2X1 Spliced mode	!RC6#	NONE
8	!SW7#	0x21 0x53 0x57 0x37 0x23	Switch to 3X1 Spliced mode	!RC7#	NONE
9	!SW8#	0x21 0x53 0x57 0x38 0x23	Switch to 4X1 Spliced mode	!RC8#	NONE
10	!SW9#	0x21 0x53 0x57 0x39 0x23	Backward loop switch mode	!RCX# (X:0~8)	NONE
11	!SWA#	0x21 0x53 0x57 0x41 0x23	Forward loop switch mode	!RCX# (X:0~8)	NONE
12	!SWB#	0x21 0x53 0x57 0x42 0x23	Standby	!RCB#	NONE
13	!SWC#	0x21 0x53 0x57 0x43 0x23	Power on	!RCC#	NONE
14	!SWD#	0x21 0x53 0x57 0x44 0x23	Turn on the OSD show	!RCD#	NONE
15	!SWE#	0x21 0x53 0x57 0x45 0x23	Turn off the OSD show	!RCE#	NONE

16	!COM#	0x21 0x43 0x4f 0x4d 0x23	Reads current state	Power state / OSD state / Display mode e.g. !RCC# !RCE# !RC2#	NONE
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SPECIFICATIONS:

Model No.	AA6103
Model name	4 Port HDMI Video Splicer
Input ports	HDMI x1, DC x1, RS232 x1
Output ports	HDMI x4, Optical x1, Coaxial x1, AUX x1
Input resolution format	480i/480P/576i/720P/1080i/1080P@50/60fps,2160P@24/25/30fps
Output resolution format	1920 x1080P@60fps
Deep color	8/10/12Bit
Audio format	Dolby AC3/DTS/LPCM Etc.
Audio sampling rate	Support 24Bit/ 96kHz Max.
Transmission bandwidth	300MHz Max.
Analog output level	2V RMS (1kHz@0dB)
Input cable length	1080P/AWG 26 ≤10m
Output cable length	1080P/AWG 26 ≤12m
Power adapter specification	Input: AC 100~240V Output: DC 12V/1.5A
Max working current	180mA
Working temperature range	-5 ~ +40℃
Working humidity range	5 to 85%RH (No Condensation)
Storage temperature	-15 to 55℃
Storage humidity	5 ~95%RH(No Condensation)
Size	220x87x23 (mm)
Weight	425g
Accessories	Manual, Power Adaptor, Remote