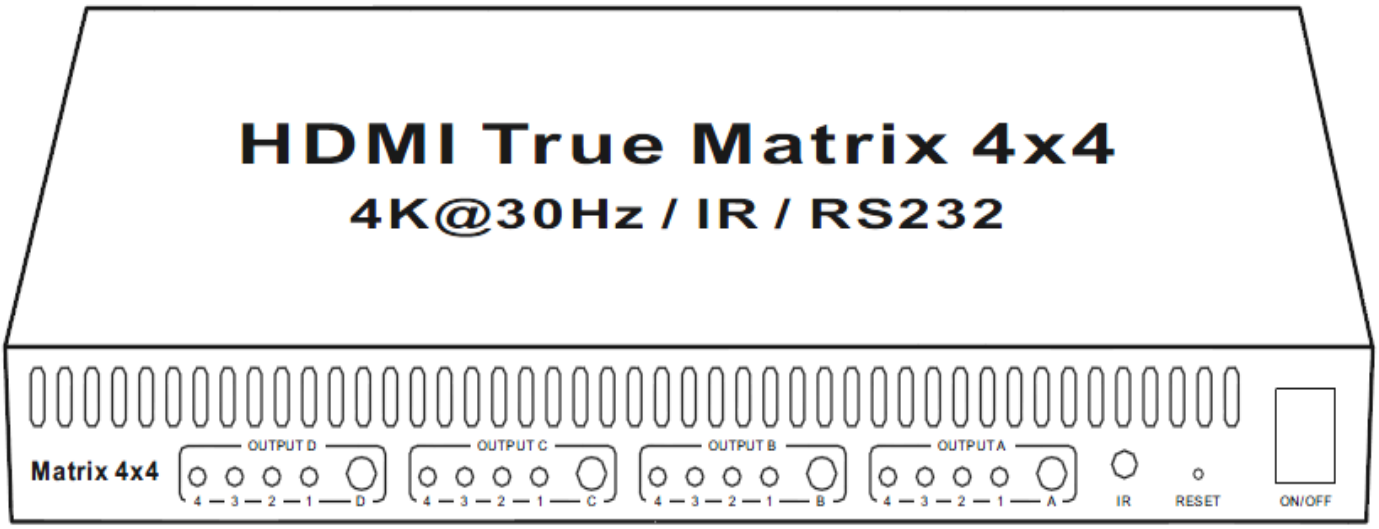
User Manual

HDMI True Matrix 4X4

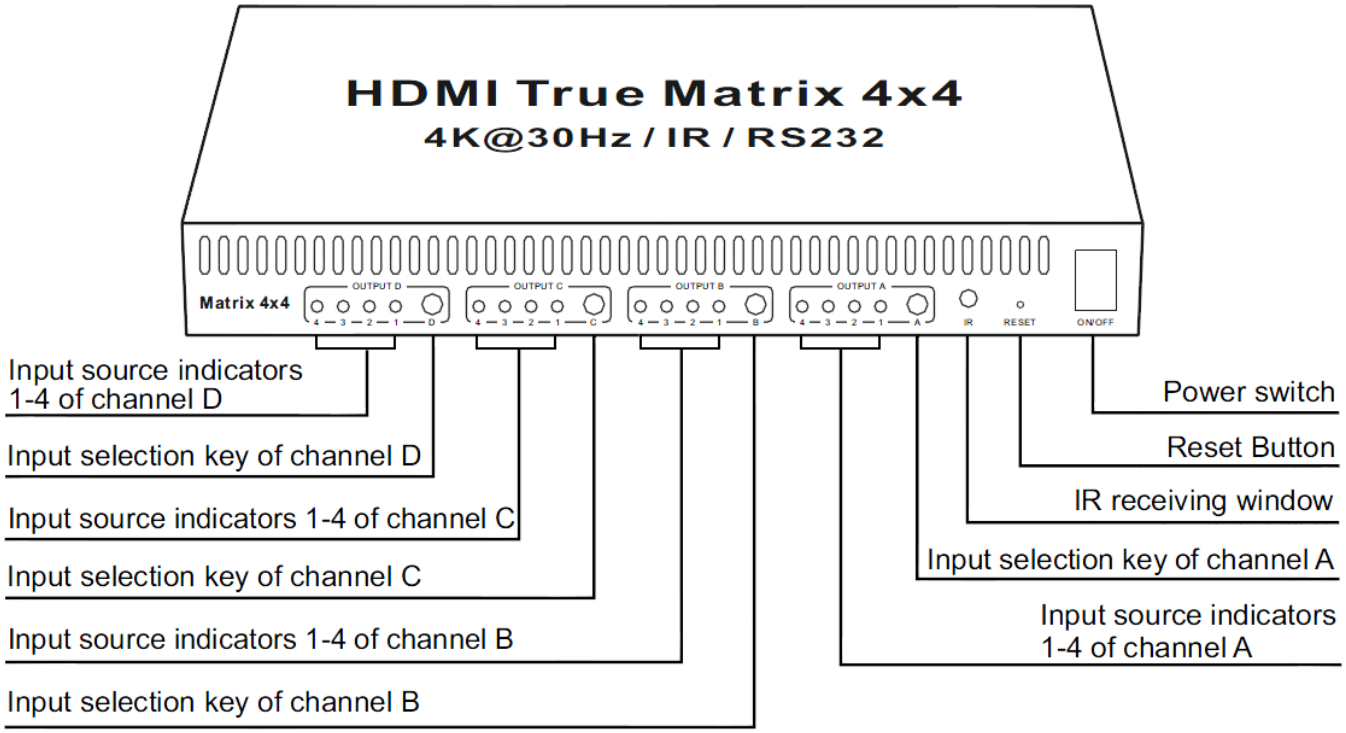
（4K@30Hz/IR/ RS232）

Mode No：AA6240

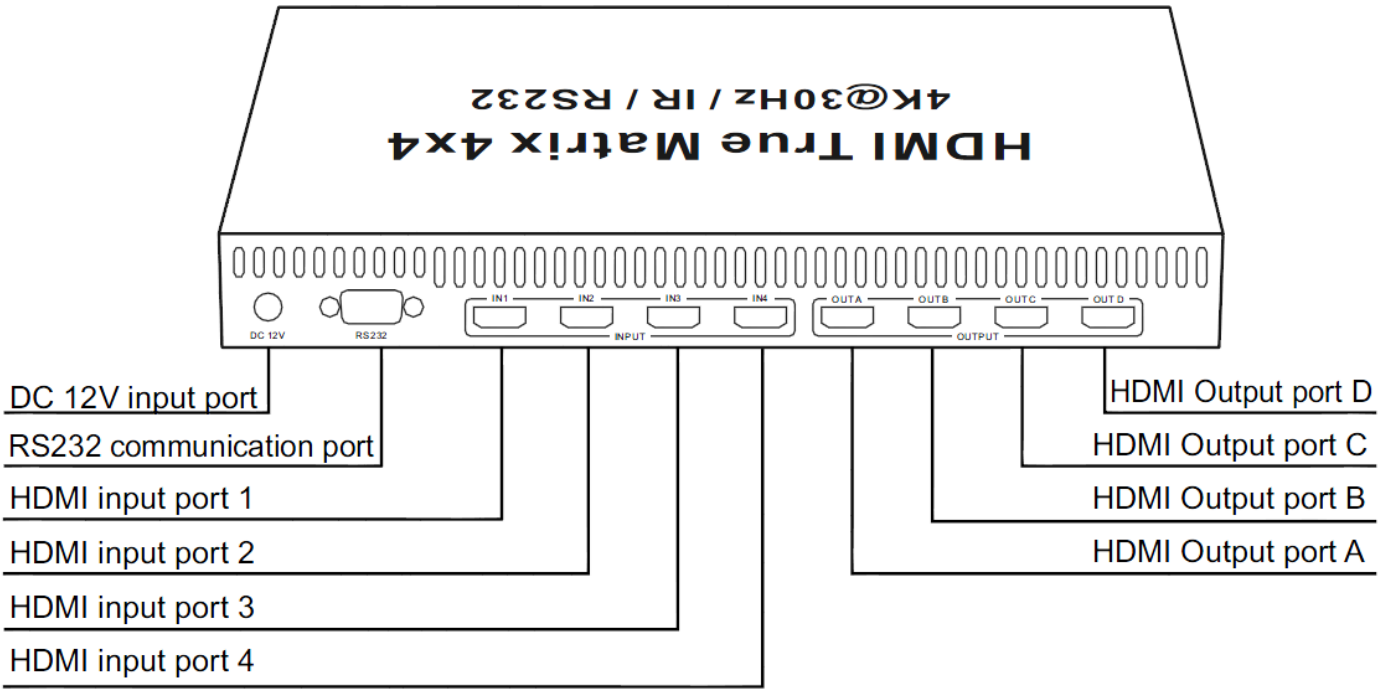


INTRODUCITON

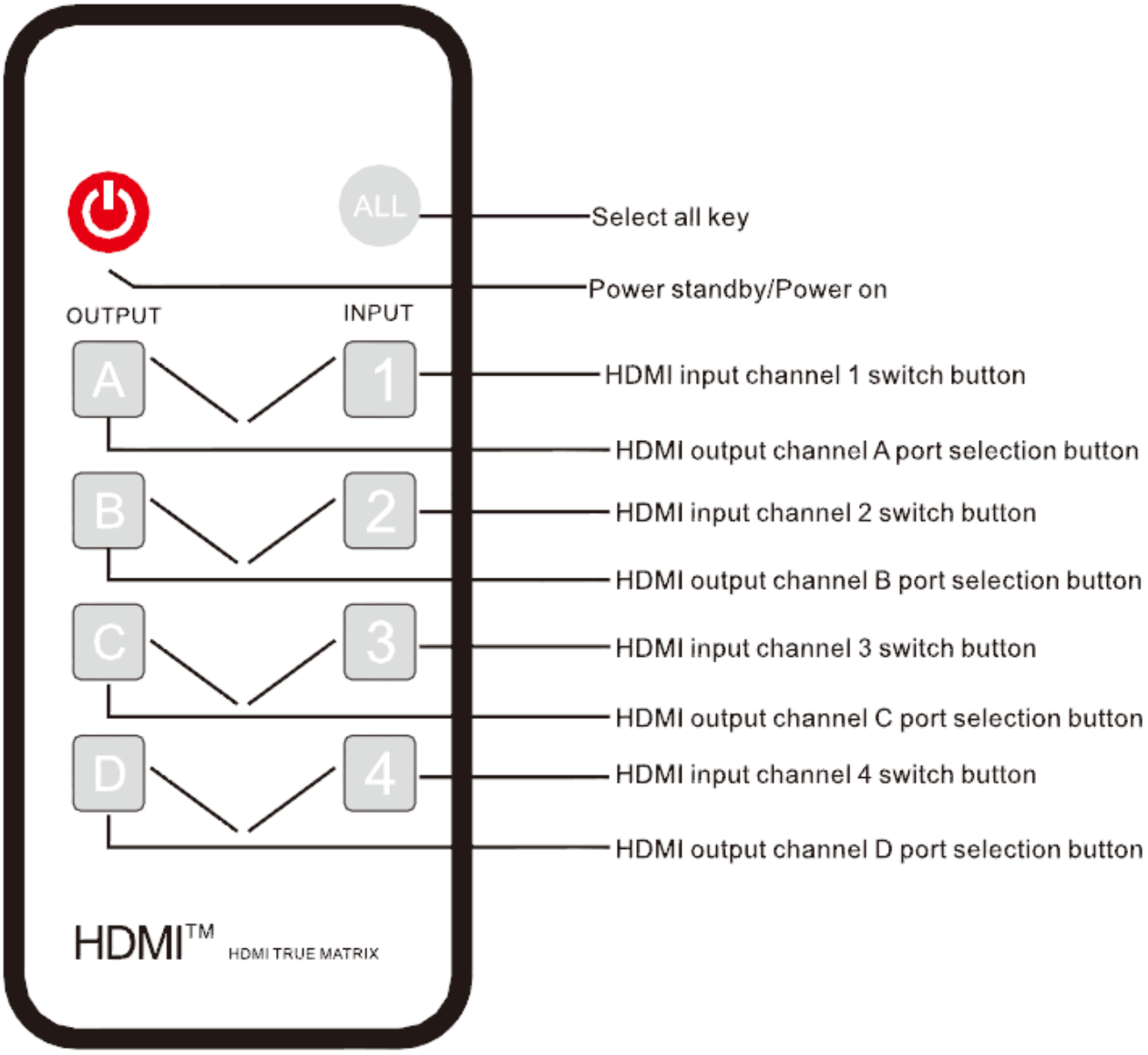
Picture 1.0 front panel showing



Picture 1.1 rear panel showing



Picture 1.2 IR panel showing

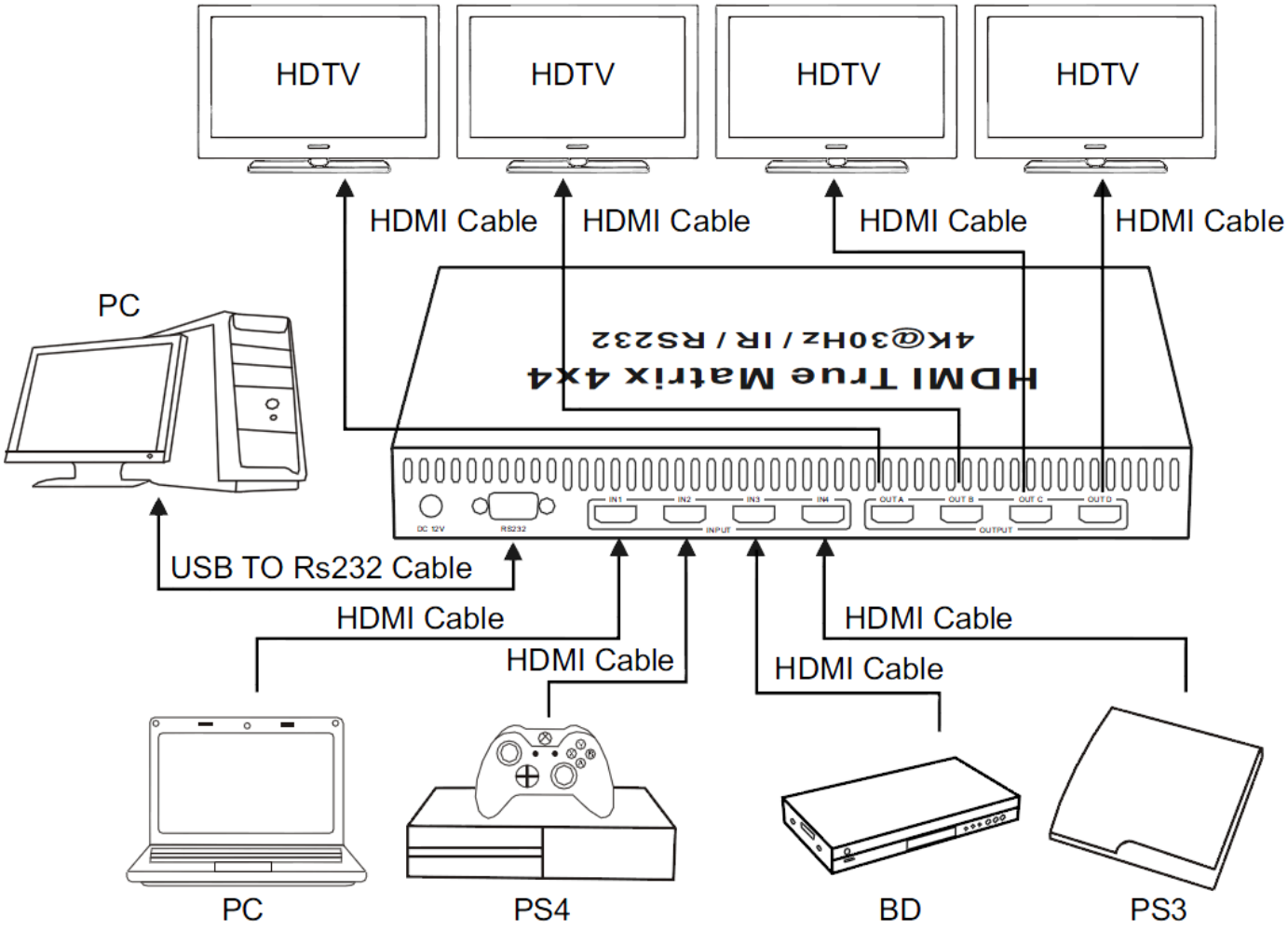


1. Firstly remove the plastic film in the rear board of the remote board.
2. The A, B, C, D signifies the A, B, C, D output.
3. The 1, 2, 3, 4 signifies the 1, 2, 3, 4 input.
4. Firstly press the left Letter Key,then press the right Number Key,the matched input signal and output port will be connected. For example: to press A key and then press number 4 key, the input 4 signal will be output to A port; to pres B key,then press the number 3 key, the input 3 signal will be output to B port.
5. To press the symbol “ALL” key at remote, it can set all output port to out the same input

signal. First to press the symbol “ALL” key at remote,then select the input channel that you want. For example: to press the symbol “ALL” key, then press number 1 key to put the input channel 1 signal to all output port; to press the symbol “ALL” key at remote,then press the number 2 key, it can select input channel 2 signal to all output port.

6. The plastic film is strongly advised to remove it when the remote is not used for long time.

Connection and operation:



*Connect according to the connection method in the above figure, source → display device→ power

Spec:

Mode No	AA6240
Mode name	HDMI True Matrix 4X4
Input channel	HDMI port x4
Output channel	HDMI port x4
RS232 interface	RS232 port x1
RS232 serial communication	support
Resolution format	480P/720P/1080P/4K@24Hz/4K@30Hz
Deep color	8/10/12Bit
HDMI audio output format	LPCM2.0/DTS/DOLBY-AC3……
HDMI Input cable length	2160P/AWG 26 ≤5m 1080P/AWG 26 ≤10m
HDMI Output cable length	2160P/AWG 26 ≤5m 1080P/AWG 26 ≤10m
HDMI transmission bandwidth	25~340MHz
HDMI transmission rate	0.75~10.2Gbps
Power adapter specification	Input: AC 100~240V Output: DC 12V/1.5A
Max working current	350mA
Working temperature range	0 ~ +40℃
Working humidity range	5 to 85%RH（No Condensation）
Storage temperature	-15 to 55℃
Storage humidity	5 ~95%RH(No Condensation)
Size	324x137x40.05 (mm)
Weight	1090g
Accessories	Manual, Power Adaptor, Remote

RS232 Serial Port Operation Way

RS-232 Set-up

Baud Rate:	115200 bps
Data Bits:	8 bits
Stop Bits:	1 bit
Parity:	None
Flow Control:	None

RS232 Serial Port Protocol

!XCOM# read the current status and return to the turn-off state; Current OUTA、OUTB、OUTC、OUTD connected input channel port status,; OUTA、OUTB、OUTC、OUTD will be turned off or not.

Command (ASCII)	Description	Feedback(Return)
!SW11#	Input 1 switches to OUT A	!RC11# means switch succeeded
!SW12#	Input 2 switches to OUT A	!RC12# means switch succeeded
!SW13#	Input 3 switches to OUT A	!RC13# means switch succeeded
!SW14#	Input 4 switches to OUT A	!RC14# means switch succeeded
!SW21#	Input 1 switches to OUT B	!RC21# means switch succeeded
!SW22#	Input 2 switches to OUT B	!RC22# means switch succeeded
!SW23#	Input 3 switches to OUT B	!RC23# means switch succeeded
!SW24#	Input 4 switches to OUT B	!RC24# means switch succeeded
!SW31#	Input 1 switches to OUT C	!RC31# means switch succeeded
!SW32#	Input 2 switches to OUT C	!RC32# means switch succeeded
!SW33#	Input 3 switches to OUT C	!RC33# means switch succeeded
!SW34#	Input 4 switches to OUT C	!RC34# means switch succeeded
!SW41#	Input 1 switches to OUT D	!RC41# means switch succeeded
!SW42#	Input 2 switches to OUT D	!RC42# means switch succeeded
!SW43#	Input 3 switches to OUT D	!RC43# means switch succeeded
!SW44#	Input 4 switches to OUT D	!RC44# means switch succeeded
!SWALL1#	Input 1 switch to all output ports	!RCALL1# means switch succeeded
!SWALL2#	Input 2 switch to all output ports	!RCALL2# means switch succeeded
!SWALL3#	Input 3 switch to all output ports	!RCALL3# means switch succeeded
!SWALL4#	Input 4 switch to all output ports	!RCALL4# means switch succeeded
!SWF1#	Close OUT A	!RCF1# represent OUT A Off
!SWF2#	Close OUT B	!RCF2# represent OUT B Off
!SWF3#	Close OUT C	!RCF3# represent OUT C Off

!SWF4#	Close OUT D	!RCF4# represent OUT D Off
!SWO1#	Open OUT A	!RCO1# represent OUT A On
!SWO2#	Open OUT B	!RCO2# represent OUT B On
!SWO3#	Open OUT C	!RCO3# represent OUT C On
!SWO4#	Open OUT D	!RCO4# represent OUT D On
!SWP0#	Shut down	!RCP0# represent power off
!SWP1#	Power on	!RCP1# represent power on