# AVUE

HDMI True Matrix 4x2

HDMI-M424K

- One HDMI Input for MHL/HDMI
- Three HDMI Input for HDMI single mode
- Three Audio modes: ADV/2.0CH/5.1CH
- Full HD 1080P, Full 3D
- Supports 4K*2K Ultra HD Resolution
- Supports 30/36/40bit Deep Color
- Supports Blu-Ray 24/50/60fs/HD-DVD/xvYCC
- Supported Digital Audio format: DTS-HD/Dolby-trueHD/LPCM7.1/DTS/Dolby-AC3/DSD
- Supports Signal Retiming
- Supports Input up to 50 feet AWG24 HDMI standard cable length
- Supports Output up to 82 feet AWG24 cable length
- Switch Input Source with IR Remote Control or with two switch button
- MHL Port supports RCP function
- MHL/HDMI dual mode reduces number of ports
- SPDIF Audio output selection by remote or switch
- Status LED Light
- No Loss of Quality
- Install in minutes

WHAT'S IN THE BOX

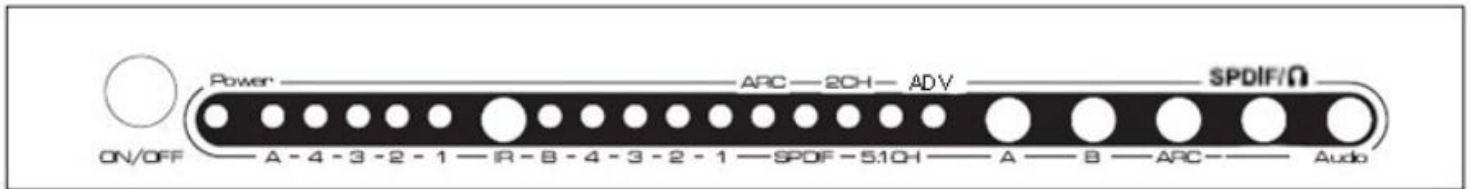- 1 x 5V Power Adapter
- 1 x Remote
- 1x MHL-MHL cable
- User Manual
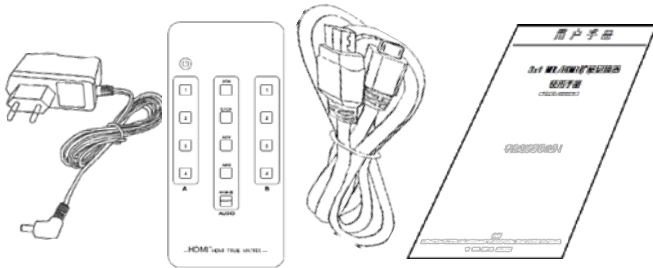
NOTES

Please follow device usage instructions to prolong its lifetime.

1. The device should be placed at a spot far from damp, high temperature, dusty, erosive, or oxidative environment.
2. All parts will be free from the shake, hit, or fall.
3. Touching the power adapter with wet hands is prohibited.
4. Please hold the power adapter head and do not pull the power cord when cut off from the socket.
5. Please turn the power off when the device is not used for a long time.
6. Please do not open the cover to touch the inside parts. This voids your warranty.
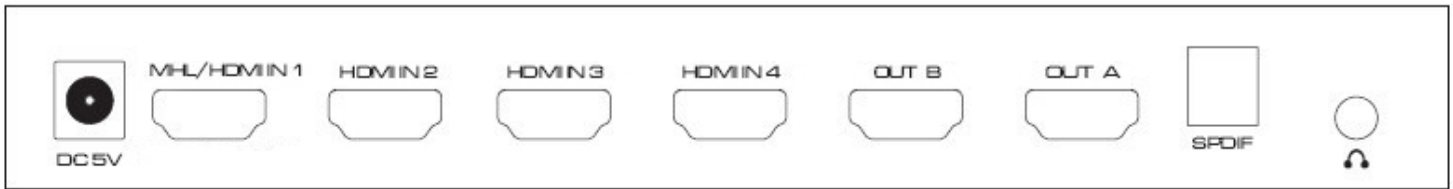7. Please use the original factory power adapter.

FRONT PANEL INDICATORS

ON/OFF	Power Switch
POWER	Power LED Status
A	HDMI Output LED Status
A(1-4)	1-4 Input LED Status when output from A
IR	Infra-red Receiver
B	HDMI B Output LED Status
B(1-4)	1-4 Input LED Status when output from B
ARC	ARC LED Status
S/PDIF	SPDIF Port LED Status
2CH	Two-channel Audio LED

5.1CH	Five-channel LED Status
A button	HDMI A output select button
B button	HDMI B output select button
ARC	ARC Function ON/OFF (Only with HDMI output A port)
S/PDIF/	SPDIF and headphone audio ON/OFF switch
Audio button	Cycles between 5.1CH, 2.0CH, and ADV audio output modes

FEATURES

DC 5V	DC-DC 5V Power input
MHL/HDMI IN	MHL/HDMI Dual Mode input
HDMI IN 2-4	HDMI Inputs

OUT-A/B	HDMI A/B output
S/PDIF	SPDIF optical output
🎧	3.5mm audio output

INFRA-RED REMOTE FUNCTIONS
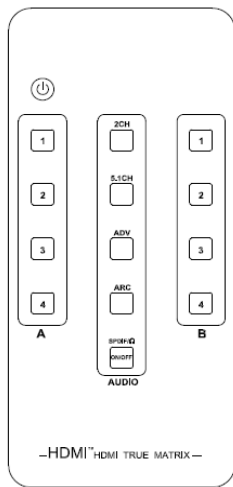
1. Take off plastic film from rear of remote
2. A & B signifies A and B outputs
3. If the signal output from A,
   Only press the number key above line A.
4. ARC On/Off for HDMI output A
5. SPDIF/🎧: Optical and headphone audio ON/OFF
6. 2CH: 2 channel stereo mode
7. 5.1CH: 5.1 channel surround mode
8. ADV: Advance Audio mode
9. Reinsert the plastic film into the rear when planning no to use remote for a long time to conserve battery

SPECIFICATIONS

HDMI Standard	Up to 4K * 2K and 3D
Resolution	1080p/1080i/720p/576p/576i/480p/480i @24/50/60fs
Color Format	24/30/36/48bit
Audio Format	DTS-HD, Dolby-trueHD, LPCM7.1, DTS, Dolby-AC3, DSD
Audio Output	SPDIF and 3.5mm Stereo
Max. Transmission Bandwidth	340MHz
Max. Baud Rate	10.2Gbps
TMDS I/O	0.5 ~ 1.5Volts p-p
DDC I/O	5Volts p-p (TTL)
Input Cable Distance	≤ 15m/49ft. AWG24 HDMI standard cable
Output Cable Distance	≤ 25m/82ft. AWG24 HDMI standard cable
Max. Working Current	1300mA
Power Adapter	Input: AC (50/60Hz) 100V-240V Output: DC 4V/2A
Operating Temp.	-15º ~ 55º C / 5º ~ 131º F
Operating Humidity	5 ~ 90% RH (No Condensation)
Dimension LxWxH	250 x 27 x 75mm
Weight	380g, 0.84 lb.

OPERATING & CONNECTING

1. Use the HDMI cable to connect the HDMI output port of the HD source with the HDMI input port of the matrix; or use the MHL-HDMI cable to connect the smart phone MHL port with the HDMI input port of the matrix.
2. Connect one cable from each HDMI source devices into HDMI Matrix inputs.
3. Connect one cable from each display into the HDMI Matrix outputs.
4. Connect audio output SPDIF or COAX with stereo equipment
5. Use the IR remote control to remotely switch between sources.
6. After the TV menu settings with MHL device synchronization, you can control the mobile device and switch signal source (given that the TV supports CEC function and the mobile device supports RCP function). For compatibility, please check with your TV or mobile device manufacturer.

The following mobile device has passed factory tests and can support high definition output and RCP function.

HTC Sensation (G14)	Samsung SII I9100
HTC Sensation XE	Samsung I9108
HTC EVO 3D	Samsung Galaxy Note I
HTC One X	Samsung SIII
HTC Flyer tablet	