

# USER MANUAL

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## HDTV Supply's HD Multimedia Integrator

(Model No HDMICVC301)

**Enjoy the vivid world!**

### REMARK

Manufacturer does not make any commitment to update the information contained herein.

## 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.

The products are designed to make your A/V device use more convenient, comfortable, productive and cost-efficient.

The HD Multimedia Integrator was designed to enhance the audio and video experience at the guest room of the hotel and the personal home theatre. It can convert easily the multi-channel audio source and the video signal source (Camera, Computer, BD Player, Game Console etc.) into the Full HD signal, and can switch easily between the multiple signal sources. In addition, this product is also equipped with a 4 port 10/100M network switcher, which is easy to let the peripheral device connected to the internet.

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

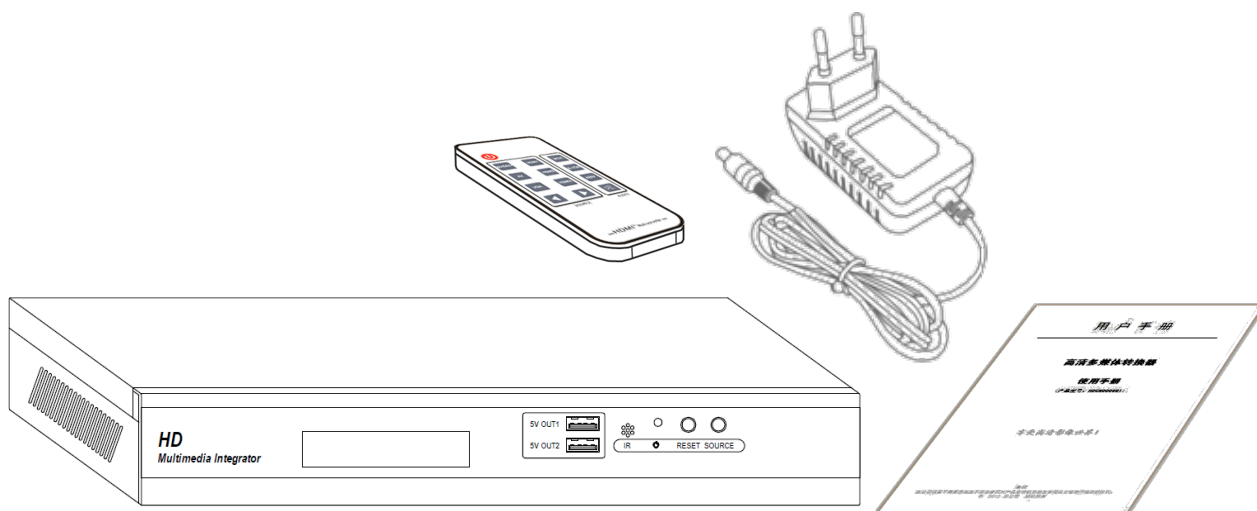
## INTRODUCTION

### FEATURES:

- 1xS-video, 1x AV, 1x VGA, 3x HDMI audio and video signal inputs, converted to 1x HDMI output
- Support HDMI output up to 1080P/60Hz, the HDMI signal input support 3D HD source film (24fps)
- Support 30bit, 36bit deep color
- Support audio separation output, includes a fiber output and L&R analog output
- Supports 3 modes of EDID management for audio formats, can switch among built-in EDID (2CH/5.1CH) and external EDID (TV).
- PAL/NTSC automatic video format
- No loss of quality. Support input up to 15metres AWG26 HDMI standard cable length, output up to 20metres AWG26 cable length
- Easily switch between devices manually or with the IR remote control
- Plug and play
- Support 2x USB 1A current charging interface, and support charging for Apple device
- Built-in 4 ports 10/100M network switch, so easy to connect to the internet
- DC5V/2A power supply

## PACKAGE CONTENTS:

- |                     |      |                      |      |
|---------------------|------|----------------------|------|
| 1. Main unit        | 1pcs | 3. Remote controller | 1pcs |
| 2. AC power adapter | 1pcs | 4. User manual       | 1pcs |



## FEATURES OF THE INTERFACE:

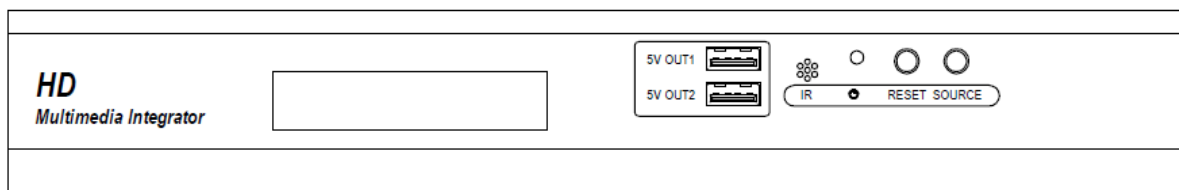


FIG.1.0 Front Panel View

**5V OUT1/2:** Charging port for USB(Max current 1A and support charging for Apple device)

**IR:** Internal IR receiver window

 : Power standby

**RESET:** Network switcher reset button

**SOURCE:** Source selection key

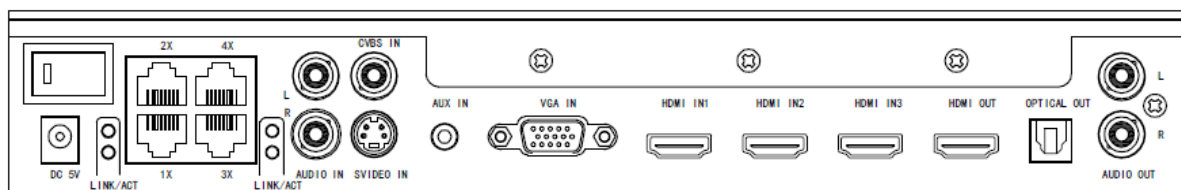


FIG.1.1 Rear Panel View

**Rocker Switch:** Power switch (LED lights for power ON)

**DC 5V:** 5V DC in jack

**LINK/ACT LED:** Network port status indicator LED

(lights off: link fail, Light on: link ok, flash: Link ok and TX/ RX activity)

**RJ45x4:** 10/100M Ethernet interface

**AUDIO IN L/R:** Analog audio input (CVBS and S-video use the same Audio signal input channel)

**CVBS IN:** Composite video signal input port (AV IN)

**SVIDEO IN:** S-Video signal input port

**AUX IN:** Auxiliary audio input (this audio channel is used together with the VGA Video signal input)


**VGA IN:** VGA input port

**HDMI IN1/2/3:** HDMI input ports

**HDMI OUT:** HDMI output port

**OPTICAL OUT:** Optical/Toslink digital audio output

**AUDIO OUT L/R:** L/R analog audio output ports

 : Power ON/standby

**SVIDEO:** Select SVIDEO for the input port

**AV:** Select CVBS for the input port

**VGA:** Select VGA for the input port

**HDMI1/2/3:** Select HDMI 1/2/3 for the input port

  : Source selection key

**2CH:** 2CH LPCM mode. Switch to 2CH mode for the HDMI

source to output LPCM 2 channels audio per the

built-in EDID. Then HDMI, OPTICAL, AUDIO output stereo audio.

**5.1CH:** 5.1CH bitstream Mode. Switch to B5.1CH mode for the HDMI source to output bitstream

audio per the built-in EDID. Then HDMI, OPTICAL output 5.1CH audio, AUDIO not output.

**ADV:** HDMI pass mode. Switch to PASS mode for the HDMI source to output audio per the EDID of

connected TV or AV receiver, supports up to LPCM 7.1 channels.

 : Sound Output mute

(HDMI/SPDIF/AUDIO output mute when Press this button, Press again for unmute)

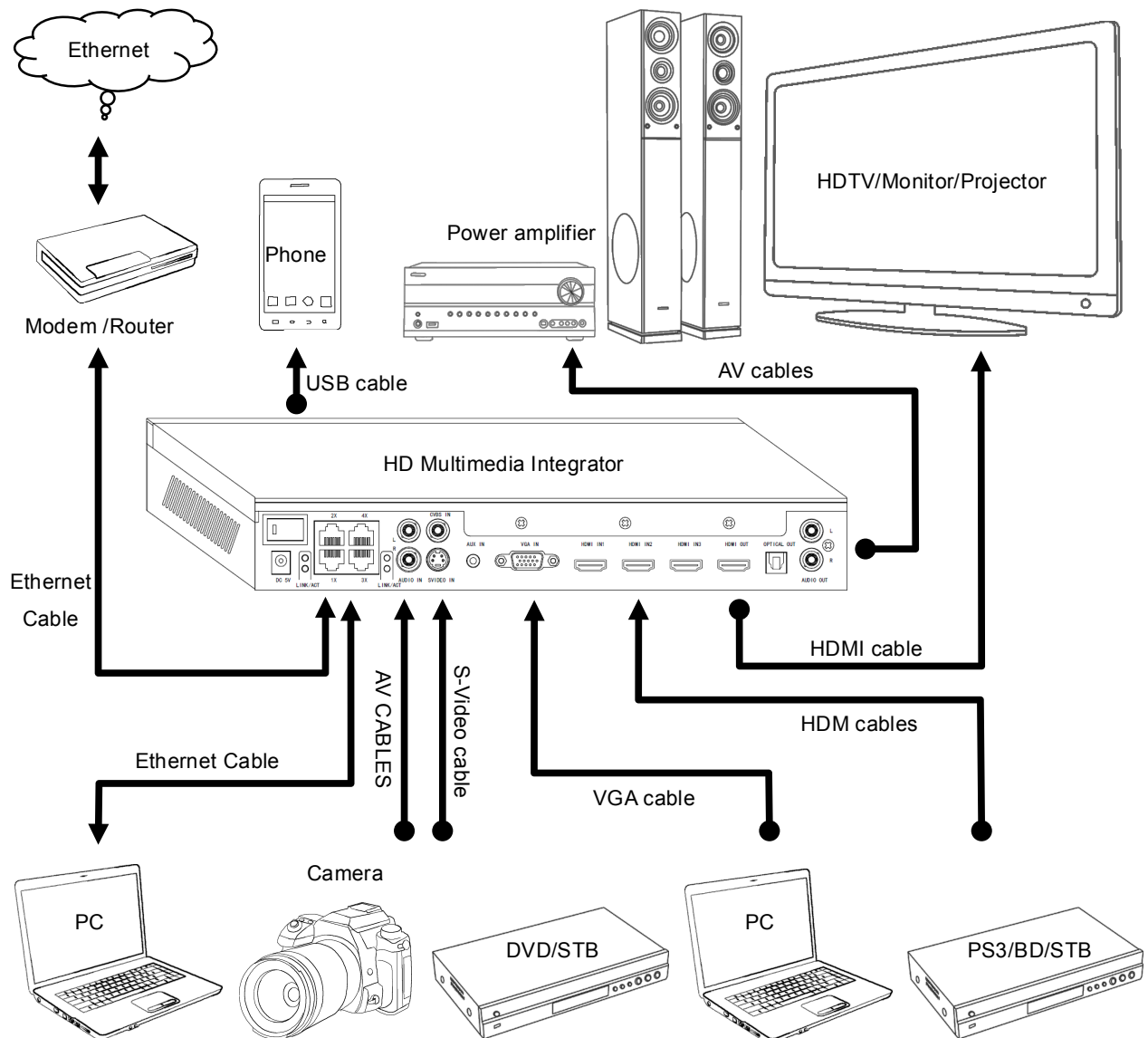
(Note: Use after the battery separator film is pulled out)



FIG.1.2 Remote Panel View

## OPERATION AND CONNECTION:

1. Connect one cable from each display (monitor or projector) into the integrator HDMI output.
2. Connect 5V power supply to the integrator and inserted into the power socket.
3. Connect one cable from signal source devices into integrator anyone inputs, the integrator will automatically detect the signal and switch to the current input. At the same time, the HDMI output HD signal to HDTV.
4. Use of select key or remote controller to select the input signal source.
5. Connect Ethernet cable from modem/router and other devices into the integrator RJ45 ports.



## SPECIFICATIONS:

HDMICVC301

HDMI input Max resolution .....	up to 1080P/60Hz/ 3D(24fs)
VGA input resolution.....	up to 1920 x 1080 @60Hz
HDMI output resolution .....	up to 1080P/60Hz/ 3D(24fs)
HDMI video color format .....	24bit/deep color 30bit/36bit
HDMI audio format.....	DTS-HD/Dolby-trueHD/LPCM7.1/DTS/Dolby-AC3/DSD
HDMI Max bandwidth.....	225MHz
HDMI Max baud rate.....	6.75Gbps
Input/Output TMDS signal .....	0.5~1.5Volts p-p (TTL)
Input/Output DDC signal .....	5Volts p-p (TTL)
HDMI Input cable distance.....	≤15m AWG26 HDMI standard cable
Output cable distance .....	≤18m AWG26 HDMI standard cable
Switch port number.....	4X RJ45
MAC address.....	2K
Network bandwidth.....	Auto-negotiation 10M/100M
Network protocol.....	IEEE 802.3, IEEE 802.3u, IEEE 802.3x
Max working current.....	1A
Power adapter format Input: .....	AC 100V~240V 50HZ/60HZ; DC5V/3A
Operating Temperature range.....	-10 to +45°C
Storage Temperature range.....	-20 to +60°C
Operating Humidity range.....	10 to 90%RH (No Condensation)
Storage Humidity range.....	5 to 95%RH (No Condensation)
Product size (L x W x H) .....	280x170x40 (mm)
Weight.....	960g

## 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 adapter with the wet hands is prohibited.
- 4、 Pls hold the power adapter head and do not pull the power cord when cut off from the socket.
- 5、 Pls turn the power off when the machines 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 adapter.

## FAQ:

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:

No.	Problem Description	Solutions
1	Non-Power-Connected	1. Check if the power adaptor head is truly and correctly inserted the power socket. 2. Check input signal source if it is in standby 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 if the line is all good quality. 4. Check signal source channel selection is correct
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 output form audio ports	1. Pls check the EDID settings is appropriate 2. Pls check the audio output settings of signal source and source format 3. Please check had voice input from input port 4. Please check mute
5	Switch can't connect to network	1. Please confirm router was connected to the Internet 2. Check Ethernet Cable Quality and Length(Standard class CAT6 $\leq$ 100m) 3. Press RESET button can reset switch