

Meicheng[®]

HD Multimedia Converter

HD-521P-A

User's Manual



▲HD-521P-A Front



▲HD-521P-A Rear

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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 product is designed to make your A/V device more convenient, comfortable, productive and cost-efficient.

The integrated multimedia converter 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, Smart phone, Computer, etc.) into the Full HD signal, and can switch easily between the multiple signal sources. In addition, the multimedia converter was also equipped with RJ45 /RJ11 /USB2.0 interface, which is for convenient connection with the Ethernet /telephone /USB devices.

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

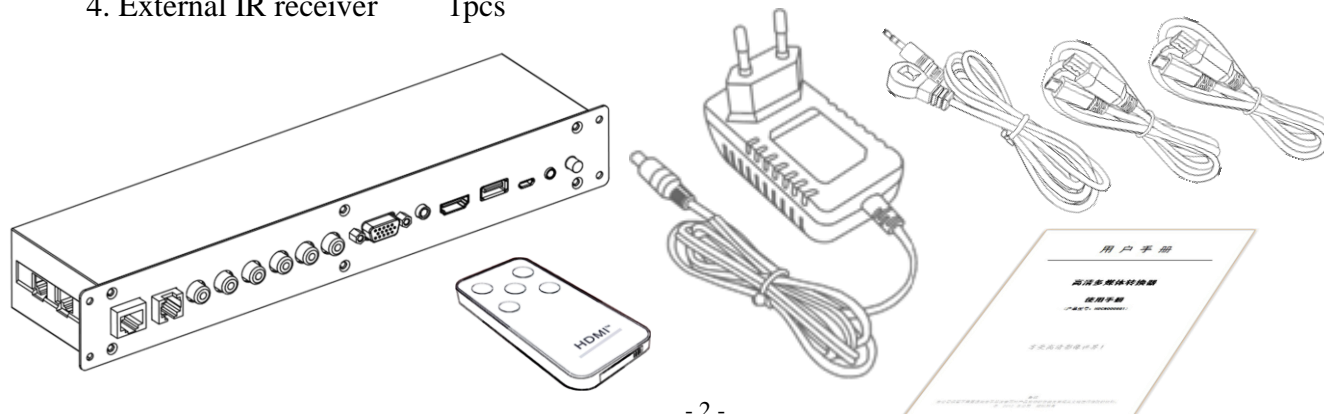
INTRODUCTION

FEATURES:

- 5 different way for audio and video signal input, converted to one HDMI output.
- Support HDMI output up to 1080P@60Hz, high resolution output makes images excellent.
- HDMI signal input support 3D HD source film (24p), compliant with CEC, HDCP and 30 bit, 36 bit, 48 bit deep color.
- PAL/NTSC automatic video format.
- No loss of signal. Support input up to 15 meters using AWG26 HDMI standard cable, output up to 15 meters using AWG26 cable.
- Easily switch signal by pressing a button, also support IR remote control.
- Plug and play (except for MHL interface)
- MHL interface supports HD signal transmission from the smart phone/tablet to the HD TV, also can do power charge and support RCP function. (TV should support RCP function)
- The HDMI input port can support HDMI/ MHL dual mode input.
- Built-in RJ-45 (internet) / RJ-11 (telephone) / USB2.0 interface, support 1A power charging function with USB port.
- No matter embed on wall or on table, the product can be operated on both sides.

PACKAGE CONTENTS:

1. Main unit	1pcs	5. MHL-MHL cable	1pcs (Optional)
2. AC power adapter	1pcs (Optional)	6. MHL-HDMI cable	1pcs (Optional)
3. Remote controller	1pcs	7. User manual	1pcs
4. External IR receiver	1pcs		



FEATURES OF THE INTERFACE:

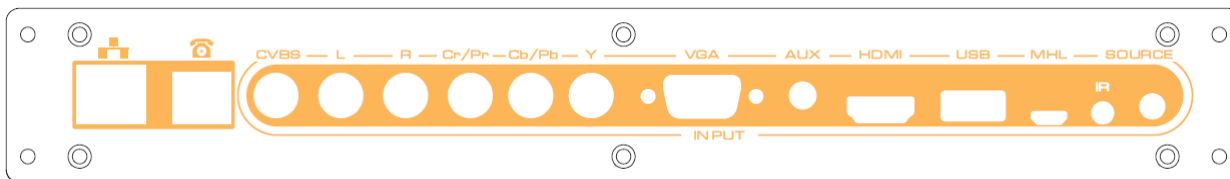



FIG.1.0 Front Panel

 : Ethernet interface (pass-through port, without control system)

 : Telephone interface (pass-through port, without control system)

CVBS: Composite video signal input

L/R: Analog audio input (CVBS and YPbPr use the same Audio signal input channel)

YPbPr/YCbCr: Component video signal input

VGA: VGA input

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

HDMI: HDMI/MHL input (dual mode capability)

USB: USB2.0 interface (pass-through port, without control system, can charge for the mobile devices)

MHL: MHL input (can charge for MHL devices)

IR: External IR receiver jack

SOURCE: Source selection key

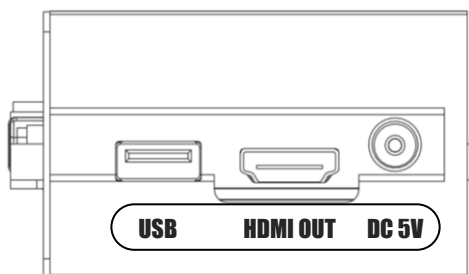


FIG.1.1 Left Panel

USB: USB2.0 interface (pass-through port)

HDMI OUT: HDMI output port

DC 5V: 5V DC in jack

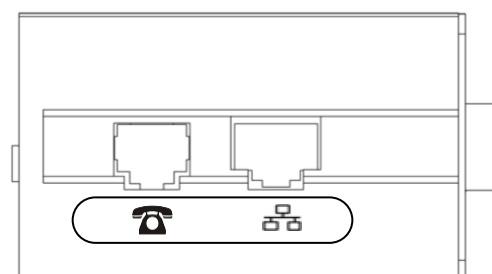




FIG.1.2 Right Panel

 : Telephone (pass-through port)

 : Ethernet (pass-through port)

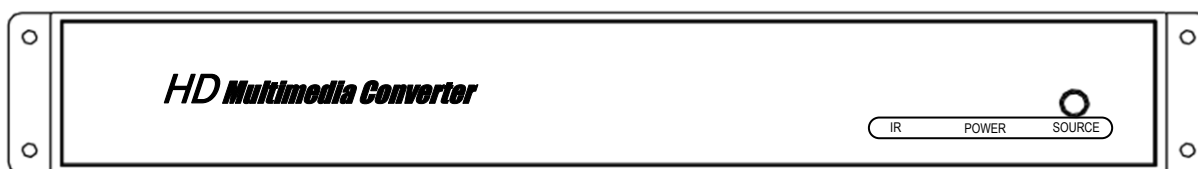


FIG.1.3 Rear Panel

PWR: Power status LED

IR: Internal IR receiver window

SOURCE: Source selection key (the same with the front panel SOURCE key)

MHL: Select MHL for the input port

HDMI: Select HDMI/MH for the input port

VGA: Select VGA for the input port

YPbPr: Select YPbPr /YCbCr for the input port

AV: Select CVBS for the input port

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

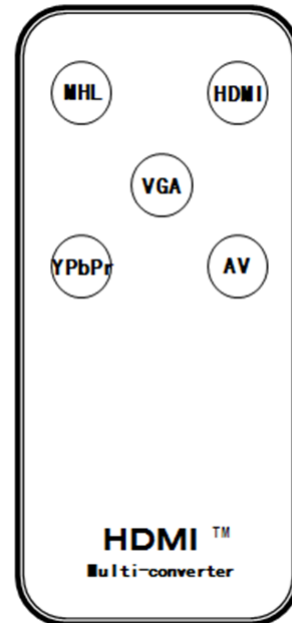
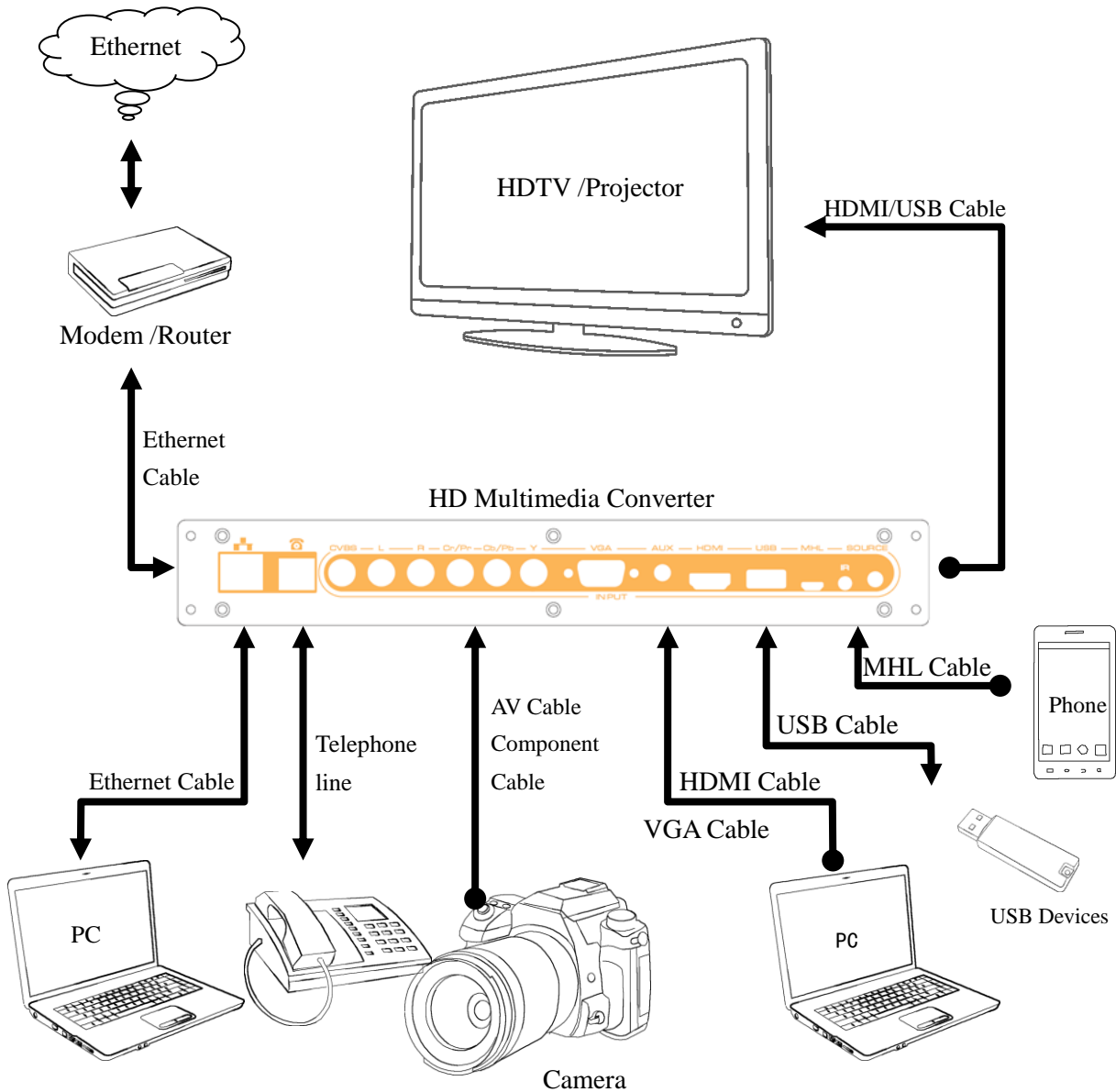


FIG.1.4 Remote Panel

OPERATIONG AND CONNECTION:

1. Connect one cable from each display (monitor or projector) to the converter HDMI output.
2. Plug the network cable, telephone line and USB cable both sides of the converter.
3. Connect 5V power supply to the switcher and inserted into the power socket.
4. Insert the external IR receiver into the IR IN jack.
5. Connect one cable from signal source devices into any converter inputs, the converter will automatically detect the signal and switch to the current input. At the same time, the HDMI output HD signal to HDTV.
6. Use select key or remote controller to select the input signal source.



7. In the TV menu settings with the MHL DEVICE synchronization, you can use TV remote controller to control mobile device and switch signal source channel selection. But it requests TV that can support CEC function and mobile device can which support RCP function. For details, please confirm to your TV or mobile device manufacturers. For example, the following mobile phones can support high-definition output and RCP function since they have passed the factory test.

HTC sensation(G14)
 HTC sensation XE
 HTC EVO 3D
 HTC One X
 HTC Flyer

Samsung SII I9100
 Samsung I9108
 Samsung Galaxy Note Phone
 Samsung SIII

8. Note: No OSD display when the MHL and HDMI input.

SPECIFICATIONS:

HDMI input resolution	1080P / 1080i / 720p / 576p / 576i / 480P / 480i @24 / 50 / 60fs
VGA input resolution	Up to 1920 x 1080 @60Hz
HDMI output resolution	Up to 1080P@60Hz
HDMI video color format	24bit/deep color 30/36/48-bit
HDMI audio format	DTS-HD/Dolby-trueHD/LPCM7.1/DTS/Dolby-AC3/DSD
MHL pixel clock rate (24-bit mode)	75MHz (8bit 1080i/720P@60Hz)
MHL pixel clock rate (Packed Pixel mode)	150MHz (8bit 1080i@60Hz YCC422)
Max bandwidth	225MHz
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 1.3 standard cable
Output cable distance	≤15m AWG26 HDMI 1.3 standard cable
Max working current	1.4A
Power adapter format Input	AC 100V~240V 50/60Hz; DC5V 2A
Operating Temperature range	-10 to +45°C
Operating Humidity range	5 ~90%RH (No solidified)
Product size (L x W x H)	266x65x40 (mm)
Front panel size (L x W x H)	286x40x1 (mm)
Recommend wall opening size	300x41x65(mm)
Recommend Decorative panel size	320x80x5.5 (mm)
Weight	320g

Notes:

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

- 1、 The machine should be placed 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、 Please hold the power adaptor head and do not pull the power cord when cut off from the socket.
- 5、 Please turn the power off when the machine is not used for long time.
- 6、 Please do not open the cover and do not touch the inside parts.
- 7、 Please use the original factory power adaptor.

FAQ:

Before power on, please 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 head of power adaptor is truly and correctly inserted into the power socket. 2. Check the remote power switch if it is in standby status.
2	No Picture	1. Please make sure the TV is on and has been connected with the machine. 2. Check if the signal source is on and well connected. 3. Check if lines are all good quality. 4. Check if 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	MHL devices without RCP	1. Please confirm the TV support CEC function, and confirm the mobile device support RCP function. 2. Check HDMI Cable Quality

Disclaimer:

- The product name and brand name may be registered trademark of related manufactures. TM and ® may be omitted on the user manual. The pictures on the user manual are just for reference, and there may be some slight difference with the real products.

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