4x1 HDMI2.0 Switch with downscaler, 4K@ 60Hz YUV 4:4:4 , ARC, CEC, HDR, 18Gbp s, HDCP2.2, Support 3D

OPERATION MANUAL

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.

Features

➢ HDMI 2.0 version (Support 4K@60Hz YUV4:4:4), with downscaler
➢ Bandwidth upto 18Gbps
➢ HDCP2.2/1.4 compliant
➢ Support Dolby Vision, HDR10
➢ Support 4xHDMI in, panel button/remote control
➢ Support Analog audio 2.0/SPDIF 5.1 audio extraction
➢ Support Analog audio 2.0 embedding
➢ Support CEC and ARC bypass to input
➢ Support ARC audio return to SPDIF output
➢ Support PCM2.0-7.1/24bit/192K, Dolby True HD/DTS 7.1 audio

Package Contents

1) 1x HDMI Switch
2) 1x 5V DC power supply
3) 1x manual book user manual
4) Remote controller

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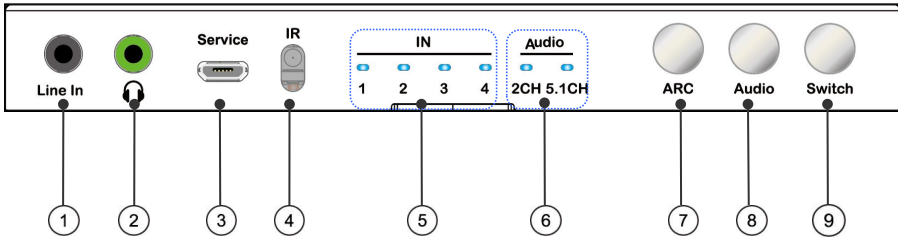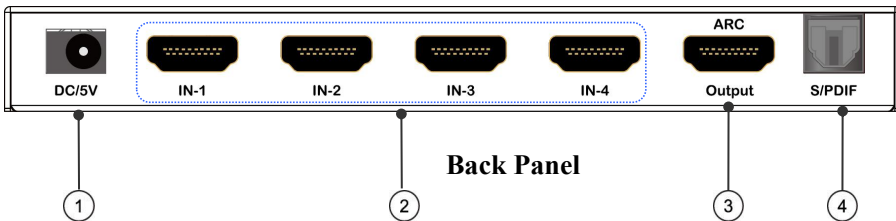## Specifications

Operating Temperature Range	-5 to +40℃(+23 to +104℉)
Operating Humidity Range	5 to 90%RH (No Condensation)
Country of origin	China
Power supply	5V
Minimum power (work under 480p60hz)	1.48W
Maximum power (work under 4K2K/60hz)	2.15W
Max resolution	4k@60hz YUV4:4:4
Function	CEC, ARC, Dolby Vision, HDR10
HDMI version	HDMI 2.0
HDCP version	HDCP2.2 /1.4(Auto choose depend TV version)
Control ways	Switch button, remoter control
Audio	Analog audio 2.0/SPDIF 5.1 extraction, Analog audio 2.0 embedding
Distance	1080P 15m, 4k@30hz(input 10m, output 15m) 4k@60hz under HDR can support 5m
3D	Yes
Dimensions(LxWxH)	153.7x63.6x18mm
Weight	260g
Audio format	PCM2.0-7.1/24bit/192KHZ , Dolby True HD/DTS 7.1 audio

Panel Description

Front Panel

1. Ananog audio embedding

2. Analog audio extraction

3. Firmware upgrade and command control

4. IR infrared receiving window: Red infrared signal indicator light, power on, flash 3 times quickly when receiving infrared signal

5. Input indicator: Blue, when the HDMI input interface has an input signal, the corresponding indicator light is on, otherwise it is off

6. Audio indicator: Blue, the default is off, which is automatic mode, press the audio switch button to light up the 2.0CH-5.1CH indicator in turn

7. ARC control buttons: The button with light and turned off by default. At this time, the audio can return to the input terminal by HDMI; press the button to light the button light and turn on the audio to return to the SPDIF port channel

8.Audio switch key: The button with light and press the button to switch the audio mode in turn: automatic mode ->2.0CH->5.1CH->audio embedding, when the audio is embedded, the button indicator light is on

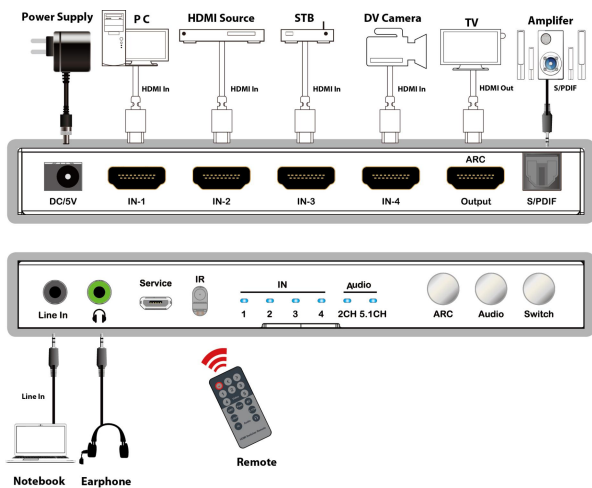9. Input source switch key: Switch the source IN1-IN2-IN3-IN4 cycle in turn

Back Panel

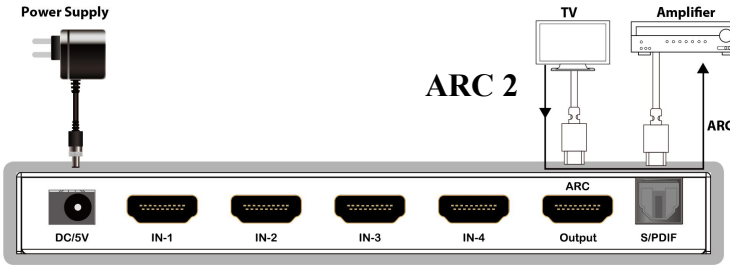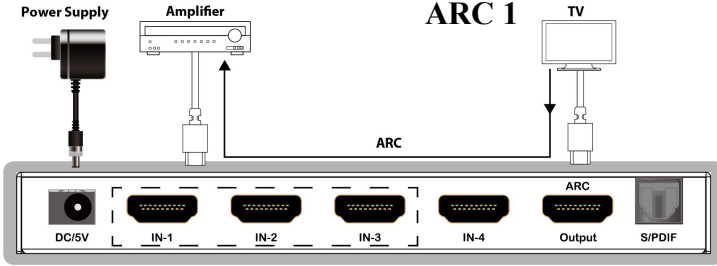|	
1. Power	3.HDMI Output
2. HDMI input port	4.SPDIF audio extraction

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Connecting and Operating

1. Connect source devices to input ports of the switch by HDMI Cable.

2. Connect HDMI output port to TV or other HDMI sink devices by HDMI Cable.

3. Connect 5V POWER supply to DC power socket.

4. Power on

Application Diagram

*Note: input 1-input 3 support CEC and ARC

ARC Application Diagram

Remote Control Description

①Standby key: When the device works, press to stand by, and press again to wake up

②Last and next key: switch to the previous input or the next input to the output port in cycle

③Shortcut key: One-key switch to the corresponding input, Reserved value: 5

④ARC switch key: Press to turn on the audio return to the SPDIF channel
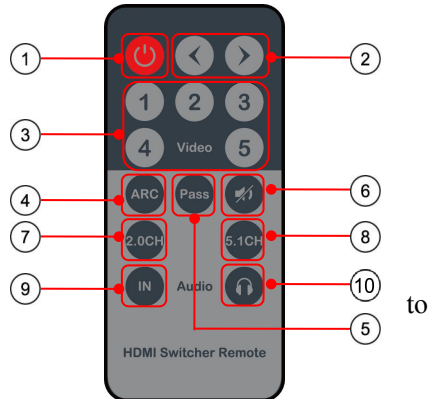
⑤Bypass Key: Bypass of CEC and ARC to the input (IN1~IN3)

⑥Mute Key: Press to turn off all audio output; press again to turn on the sound

⑦Stereo key: switch to 2-channel audio output

⑧5.1 surround sound key: switch to 5.1 channel audio output

⑨Audio embedding key: switch to audio embedding mode, no reverse setting function

⑩Audio extraction key: switch to audio extraction mode
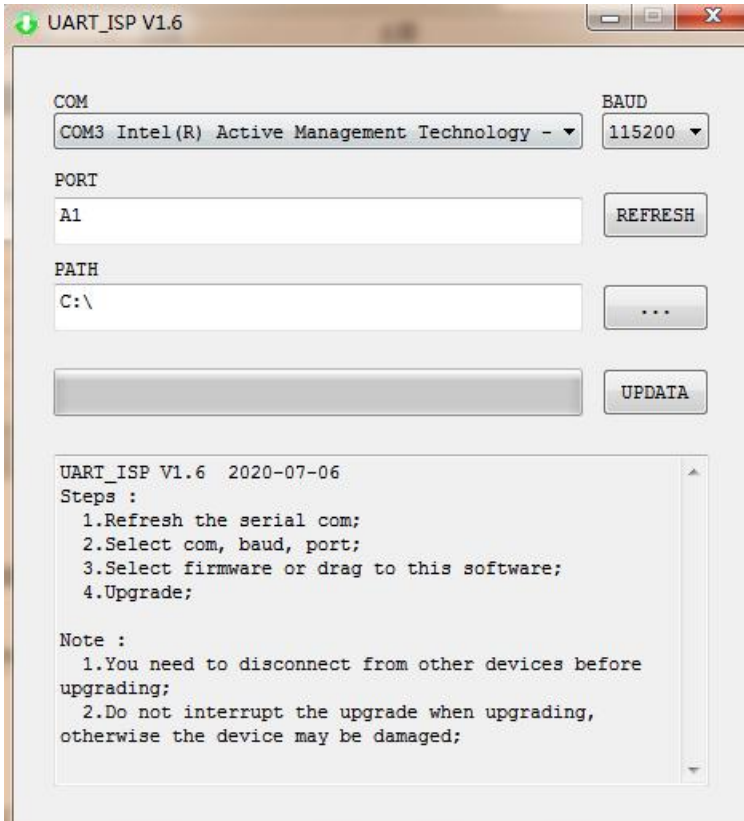
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Firmware upgrade

Steps:

① Open the software UART_ISP.exe on the PC first

② Choose the correct port and baud rate 115200

③ Then enter A1 in the port

④ Finally select the program in the path, click update to complete the upgrade

MAINTENANCE

Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner of benzine to clean this unit.

PRODUCT SERVICE

1) Damage requiring service: The unit should be serviced by qualified service personnel if:

(a)The DC power supply cord or AC adaptor has been damaged;

(b)Objects or liquids have gotten into the unit;

(c)The unit has been exposed to rain;

(d)The unit does not operate normally or exhibits a marked change in performance;

(e)The unit has been dropped or the cabinet damaged.

2) Servicing Personnel: Do not attempt to service the unit beyond that described in these operating instructions. Refer all other servicing to authorized servicing personnel.

3) Replacement parts: When parts need replacing ensure the servicer uses parts specified by the manufacturer or parts that have the same characteristics as the original parts. Unauthorized substitutes may result in fire, electric shock, or other hazards.

4) Safety check: After repairs or service, ask the servicer to perform safety checks to confirm that the unit is in proper working condition.

WARRANTY

If your product does not work properly because of a defect in materials or workmanship, our Company (referred to as "the warrantor") will , for the length of the period indicated as below, **(Parts(2)Year ,Labor(90) Days)** which starts with the date of original purchase ("Limited Warranty period"), at its option either(a) repair your product with new or refurbished parts, or (b) replace it with a new of a refurbished product. The decision to repair or replace will be made by the warrantor.

During the "Labor" Limited Warranty period there will be no charge for labor.

During the "Parts" warranty period, there will be no charge for parts. You must mail-in your product during the warranty period. This Limited Warranty is extended only to the original purchaser and only covers product purchased as new. A purchase receipt or other proof of original purchase date is required for Limited Warranty service.

Mail-In Service

When shipping the unit carefully pack and send it prepaid, adequately insured and preferably in the original carton. Include a letter detailing the complaint and provide a day time phone and/or email address where you can be reached.

LIMITED WARRANTY LIMITS AND EXCLUSIONS

1) This Limited Warranty ONLY COVERS failures due to defects in materials or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage. The Limited Warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, maladjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, or service by anyone other than a Factory Service center or other Authorized Servicer, or damage that is attributable to acts of God.

(a)THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER "LIMITED WARRANTY COVERAGE".THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRNTY. (As examples, this excludes damages for lost time, cost of having someone remove or re-install an installed unit if applicable, travel to and from the service, loss of or damage to media or images, data or other recorded content. The items listed are not exclusive, but are for illustration only.)

(b)PARTS AND SERVICE, WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY, ARE YOUR RESPONSIBILITY.